Prince
Edward
Island
CANADA

Department of Transportation & Infrastructure Renewal

Annual Report

for the year ending March 31, 2014

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Prince
Edward
Island
CANADA

The Honourable Frank Lewis
Lieutenant Governor of Prince Edward Island

May It Please Your Honour:

I respectfully submit herewith, for the information of Your Honour and the Legislature of Prince Edward Island, the Annual Report of the Department of Transportation and Infrastructure Renewal for the period April 1, 2013 to March 31, 2014.

Respectfully submitted,

Paula Biggar

Paula Biggar
Minister

Prince
Edward
Island
CANADA

The Honourable Paula Biggar
Minister
Department of Transportation and Infrastructure Renewal
Province of Prince Edward Island

Madam:

I am pleased to submit to you the Annual Report of the Department of Transportation and Infrastructure Renewal for the period April 1, 2013 to March 31, 2014.

The activities of the respective divisions are recounted in the following pages of the Report.

Respectfully Submitted,

John MacQuarrie
Deputy Minister

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DEPARTMENT OF TRANSPORTATION
AND
INFRASTRUCTURE RENEWAL

The established **Mandate** of the Department of Transportation and Infrastructure Renewal is:

Through the provision of essential transportation and infrastructure systems and services, the Department is committed to improving safety for citizens, contributing to the quality of life on PEI, and enabling the provincial economy.

To accomplish this mandate, the Department:

Provides quality and timely advice to the Government of Prince Edward Island on all matters related to transportation and infrastructure services;

Maintains the provincial highway network to the highest standard through construction and maintenance of the network in the safest, most cost effective, and environmentally responsible manner possible;

Establishes partnerships with all levels of government and other jurisdictions to secure funding and develop agreements that synchronize with the Province's transportation, infrastructure and service priorities;

Provides quality services to Government in the areas of building construction, Crown land management, building maintenance and accommodations; and,

Pursues policies and strategic initiatives to sustain and enhance the Province's economic growth and development.

This mandate is further quantified in the **Mission Statement** which indicates the role of the Department is to:

Serve the public and government by providing professional services to develop, deliver, operate and maintain public infrastructure in a manner that emphasizes quality, safety, cost-effectiveness and environmental responsibility.

The **Vision** for the Department is stated as follows:

Transportation and Infrastructure Renewal - Leading in the Delivery of Safe and Efficient Infrastructure and Services.

LEGISLATIVE RESPONSIBILITIES

- *Architects Act*
- *Crown Building Corporation Act*
- *Dangerous Goods (Transportation) Act*
- *Engineering Profession Act*
- *Expropriation Act*
- *Georgetown Common Land Act*
- *Highway Traffic Act*
- *Land Survey Act*
- *Land Surveyors Act*
- *Off-Highway Vehicle Act*
- *Public Works Act*
- *Roads Act*

Department Of Transportation and Infrastructure Renewal

Personnel

Minister	Hon. Paula Biggar
Administrative Assistant	Bonnie MacDonald
Deputy Minister	John MacQuarrie
Administrative Assistant	April Gregory
CORPORATE SERVICES	
Finance	Wendy MacDonald, Director
Human Resources	Jason Rendell
HIGHWAY SAFETY & IT	John MacDonald, Director
Highway Safety Operations	Doug MacEwen
Highway Safety Registration	Graham Miner
PUBLIC WORKS	Alan Maynard, Director
Building Design and Construction	Tyler Richardson
Maintenance and Accommodations	Holly Hinds
LAND & ENVIRONMENT	Brian Thompson, Director
A/Provincial Chief Surveyor	Wayne Tremblay
Properties	Carol Craswell
CAPITAL PROJECTS DIVISION	Stephen Yeo, Director
Western Region Engineer	Mark Sherren
Eastern Regional Engineer	Stephen Pigott
Materials and Soils	Terry Kelly
Highway Design & Bridge Maintenance	Darrell Evans
HIGHWAY MAINTENANCE	Darren Chaisson, Director
Highway Maintenance	Stephen Szwarc, Assistant Director
Highway Maintenance, Western	Mike Berrigan
Highway Maintenance, Central	Gordie Lund
Highway Maintenance, Eastern	Gerard Morrison
Mechanical Branch, Fleet Manager	Wilf MacDonald
Mechanical Branch, Western	Gerald Arsenault
Mechanical Branch, Central	Donnie Martin
Mechanical Branch, Eastern	Charles MacLaren
Confederation Trail Maintenance	Leo Gill
POLICY & PLANNING	Paul Godfrey
INFRASTRUCTURE SECRETARIAT	Paul Godfrey, Acting Director

FRENCH LANGUAGE SERVICES IMPLEMENTATION PLAN

The Department continues to respond to the requirements of the *French Language Services Act* through its 2000 implementation plan.

Focus continues in the following areas:

- **Awareness**
  The Department's obligation to the *French Language Services Act* continues to be incorporated into the daily routine of staff, especially for those responsible for the distribution and release of information to the public, i.e., correspondence, media releases, public notices, etc.

- **Human Resources**
  Human Resources are currently approaching the organizational structure to identify positions for potential bilingual designation. These results will be considered in the areas of succession planning and current incumbent training. Interviews have taken place for employees interested in assessing their levels of proficiency in the French language, and others who are new to the language have participated in one-day workshops.

- **Signs**
  The same effort that resulted in the Traffic Section of the Capital Projects Division receiving an award in 2001 continues to occur. As existing signage stock is depleted, the format is changed to bilingual. Bilingual directional tabs are now being used on Route confirmations and the private road signs for 911 are totally bilingual. Any worded sign manufactured out of the Provincial Sign Shop is produced in a bilingual format.

- **Document Translation**
  The Highway Safety Division is one of the larger groups responsible for the distribution and circulation of documentation for public consumption. This group continues to work closely with Acadian and Francophone Affairs to identify essential documentation for translation purposes.

Wendy Toy
French Language Services Coordinator

CORPORATE SERVICES DIVISION

The Corporate Service Division is responsible for the administrative and financial aspects of the Department as well as departmental centralized planning, administrative and records management functions. This includes the following:

- Planning
- Records Management
- Inventory Control Manager
- Department Receptionist
- Support staff

As part of the 2011 Provincial Budget address, the Premier announced that "*Government will examine the feasibility of expanding a shared services model to include other corporate services functions such as Finance, Administration and Human Resource management.*"

Centralization of Corporate Services (Finance & Human Resources) was implemented April 1, 2012 with Civil Service departmental Finance Directors, Managers, Senior Finance and finance clerks positions being transferred to the Treasury Board Secretariat and Human Resource (HR) Managers, HR Officers, HR Assistants and payroll positions being transferred to the Public Service Commission.

Although services have been centralized, the Finance Director, HR Manager and staff that have been assigned to the Department maintain their existing work locations and continue to receive instruction from appropriate departmental personnel.

Advantages to centralization of Corporate Services include, but are not limited to the following:

- Increased consistency in service levels and coverage
- Greater opportunities to increase capacity, cross training and succession planning
- More capacity to respond to surges in demand
- More support from the central agency

Finance and Human Resources personnel continue to play a very important role within the Department and are responsible for:

- Provision of leadership related to financial management, budget development, financial controls, day-to-day accounting operations, inventory control and administration services
- Provision of personnel and payroll services, staffing, organizational development and training administration

Finance

Responsible to provide financial and administration services for the Department, including:

- Leadership in financial management
- Budget development, forecasts and control
- Support documentation for Budget presentation
- Accounts payable and receivable
- Inventory management
- General administration services

A detailed summary of Ordinary and Capital Expenditures for the year ending March 31, 2014 follows at the end of the Annual Report.

Human Resources

Responsible for the provision of planning and administration related to the Department's classified and non-classified workforce, including:

- Personnel and payroll services
- Organizational planning and development
- Departmental training administration
- Permanent and seasonal staffing
- Position description and classification
- Collective Agreement interpretation and input
- Management planning and consultation
- Occupational Health and Safety

Finance and Human Resources staff are located in Charlottetown, as well as regional facilities in Tignish, Alma, Slemon Park, Georgetown and Bridgetown.

HIGHWAY SAFETY & IT DIVISION

The overall objective is to promote and enforce safe conditions for highway users, issue driver's licenses, provide registration for vehicles and drivers, and to support the Minister of Transportation and Infrastructure Renewal in the administration of the *Highway Traffic Act*, *Off-Highway Vehicle Act*, *Roads Act,* and the *Transportation of Dangerous Goods Act.* The following sections are tasked with the responsibilities of carrying out the objectives of Highway Safety:

- Driver Records
- Systems Development and Support
- IRP (International Registration Plan)
- Safety
- Registration and Licensing (Legislation and Policy and Program Development)
- Commercial Vehicle Enforcement

The Department has introduced new Legislative Regulatory Changes over the past year.

Drug Impaired Driving

- 90-day Administrative Driving Prohibition issued to drivers charged for impaired by a drug or a combination of a drug(s) and alcohol under the Criminal Code of Canada.
- 90-day Administrative Driving Prohibition for Graduated Drivers exceeding Zero tolerance for drug(s) or combination of drug(s) and alcohol.
- A seven-day suspension is issued for any driver that fails a field sobriety test.

Motor Vehicle Impoundment

- 6-month vehicle impoundment issued when a person is operating or had care or control of a vehicle and are charged for any offence under the Criminal Code of Canada involving injury or death.
- 6-month vehicle impoundment for any driver charged with impaired or prohibited driving and was previously convicted in the past 10 years for any offence under the Criminal Code of Canada involving injury or death.
- 6-month vehicle impoundment for any driver charged with impaired or prohibited driving and they had been previously charged with two of the same offences in the last 10 years.

Ignition Interlock Program

The mandatory minimum times in the Ignition Interlock Program are as follows:

- 1st offence - 1 year
- 2nd offence - BAC reading at the time of the offence 160 or below - 2 years
- 2nd offence - BAC greater than 160 - 5 years
- 2nd offence - Refusing the Breathalyzer - 5 years
- 3rd and subsequent offence - 10 years

All drivers that have been convicted of impaired driving, and at the time of the offence there was a passenger in the vehicle below the age of 16 years, will have an additional one year added to the required mandatory Ignition Interlock time.

2nd offence - After completing the mandatory ignition interlock term, the driver is issued a Restricted ZERO BAC Driver's License for a period of three years. It is an offence to operate a motor vehicle with any alcohol in your system when holding a Restricted Zero BAC Driver's License.

3rd and subsequent offence - After completing 5 clean years of the 10-year mandatory Ignition Interlock Term, the driver may apply to the Registrar of Motor Vehicle for a Restricted Zero BAC Driver`s License and a Specially Coded Zero BAC License Plate. If the application is approved, the driver can complete the remaining 5 years of the Ignition Interlock Term with a Restricted Zero BAC Driver's License and a Specially Coded Zero BAC License Plate. It is an offence to operate a motor vehicle with any alcohol in your system when holding a Restricted Zero BAC Driver's License and to operate a vehicle with the Specially Coded License Plate.

Violating the Zero BAC Driver's License or operating a vehicle without a Specially Coded License plate carries a fine of $1500 to $2000, 12 demerit points and a one-year cancellation in addition to any other charges or cancellation times that might be added.

DRIVER RECORDS SECTION

The Records Section maintains records on all drivers and carriers with convictions for motor vehicle related offences throughout Canada, and who are scheduled for counselling activity such as an interview or a re-examination. The Records Management System (RMS) is one of the key programs used by this Section and is designed to efficiently and effectively maintain driving records to meet the needs for managing drivers and carriers. During the year, there were approximately 8,800 motor vehicle related convictions.

This Section maintains a close working relationship with all law enforcement agencies throughout the Province along with various other government departments and, in particular, the Office of the Attorney General. The Driver Records Section deals mainly with the *Highway Traffic Act, Roads Act, Dangerous Goods Act* and the *Maintenance Enforcement Act*. Driver Abstracts (drivers' records) are provided through the Records Section. This service is available to insurance companies, law enforcement, the legal community or an individual.

The Records Section is responsible for the evaluation, preparation and processing of all *Highway Traffic Act* and driver related *Criminal Code of Canada* convictions. A summary of the major activities is shown below with the 2013-2014 figures displayed for comparison purposes.

Driver License Suspensions and Cancellations	**2012/13**	**2013/14**
Section 253 (1)(a) Criminal Code - (Impaired Driving)	26	26
Section 253 (1)(b) Criminal Code - (Failing the Breathalyzer)	259	234
Section 254(5) Criminal Code - (Refusal of the Breathalyzer)	28	22
Total Alcohol Related Convictions	**313**	**282**
Administrative Driving Prohibitions	372	296
7-Day Suspensions (S.277.1) HTA	79	75
30-Day Suspensions (S.277.1) (3.2) HTA	4	2
90-Day Suspensions (S.277.1) (3.5) HTA	0	0
Vehicle Impoundments	77	58
Demerit Point System (Point Accumulation)	340	308

Driver License Suspensions and Cancellations	**2012/13**	**2013/14**
Theft of a Motor Vehicle	12	29
Default in Payment of Fine(s)	1,960	1,858
Failure to Satisfy a Judgment - (Accident with an uninsured vehicle)	2	10
Reinstatement of driving privileges from suspension/cancellation	1,538	1,354
Revenue from Reinstatement Fees	**$ 155,500**	**$ 180,950**

Number of Warning Letters Issued - (Point Accumulation)	1,353	1,273
Number of Driving Record Interviews Issued - (Point Accumulation)	271	232

Drivers required to undergo a re-examination for various reasons (Requests from Law Enforcement, Medical Practitioners, etc.)	**2012/13**	**2013/14**
Medical Referrals Issued	281	279
Medical Referrals Issued for Commercial Drivers	3,666	3,691
Vision Referrals Issued	76	73
Driving Re-Examination Conducted	480	467
Driving Record Interviews	141	149
Restricted Driver Licenses Issued	30	36
Requests for Abstracts of Driving Records from Insurance Companies and Individuals	37,225	34,771
Abstract Fee ($25.00)	**$ 930,635**	**$ 869,275**

PERCENT OF REPEAT IMPAIRED DRIVING OFFENDERS
Updated - January 17, 2014

Year	**First**	**Second**	**Third or More**	**Total Impaired Convictions**
2013	56.9%	17.8%	25.3%	297
2012	57.8%	22.3%	19.9%	327
2011	60.3 %	19.6 %	20.1 %	373
2010	63.4 %	18.9 %	17.7 %	424
2009	59.7 %	18.1 %	22.2 %	392
2008	57.8 %	23.3 %	18.9 %	365
2007	64.5 %	19.0 %	16.5 %	411
2006	56.2 %	24.1 %	19.7 %	345
2005	63.8 %	19.1 %	17.1 %	304
2004	65.8 %	15.2 %	19.0 %	301
2003	63.6 %	21.2 %	15.2 %	348

PERCENT OF REPEAT IMPAIRED DRIVING OFFENDERS Updated - January 17, 2014				
Year	**First**	**Second**	**Third or More**	**Total Impaired Convictions**
2002	56.1 %	23.9 %	20.0 %	394
2001	60.7 %	20.5 %	18.8 %	424
2000	59.1 %	22.8 %	18.1 %	430
1999	51.1 %	18.9 %	30.0 %	440
1998	45.9 %	21.0 %	33.1 %	455
1997	48.0 %	20.6 %	31.4 %	554
1996	45.8 %	21.8 %	32.4 %	513
1995	49.2 %	19.5 %	31.3 %	432
1994	46.3 %	20.6 %	33.1 %	438
1993	41.6 %	21.2 %	37.2 %	594
1992	47.0 %	18.0 %	35.0 %	557
1991	46.5 %	22.7 %	30.8 %	626
1990	45.8 %	21.8 %	32.4 %	654
1989	45.8 %	21.8 %	32.4 %	628

INFORMATION TECHNOLOGY

Highway Safety have the following computer applications from which statistical information can be generated:

Carrier Management System(CMS):
Monitor, regulate and rate carriers of commercial vehicles. It covers all aspects of driver qualification, vehicle compliance and safety management of commercial vehicle.

Collision and Accident Reporting System (CARS):
The management of highway collisions through collection of data with the capability of ad hoc query and reporting.

Driver Vehicle System (DVS):
Provincial Driver Licensing and Vehicle Registration System which generates revenue for the Province.

Electronic Abstract System (CGI):
Automated Insurance Abstract Management and Billing System for CGI that is processed via FTP.

Enforcement Officer Reporting System (EORS):
Records all daily activity, traffic stops and permits for portable and fixed scale operations.

International Registration Plan (IRP) and IRP Clearing House:
Vehicle Registration Program that interprets business rules, calculates fees and taxes for Canadian and US jurisdictions.

Inter-Provincial Records Exchange System (IRE):
Exchange and sharing of Driver Licensing and Records along with Vehicle Registration Information between provinces and states.

Motor Vehicle Inspection System (MVIS):
Supports the management of the MVI program. Database stores individual MVI reports, station and mechanic information.

Photo ID System:
Management of digital photos and signatures for driver's licenses, instruction permits and identification cards.

Records Management System (RMS):
Manages and maintains all records of PEI drivers and convictions for motor vehicle related offences. The system generates all daily correspondence.

Telephone Vehicle Registration System (TVRS):
Interactive voice response system for passenger vehicle registration.

Computer Applications Supported Within the Department

Other computer applications within the Department which the Information Technology Section supports are:

Regional Weather Information System (RWIS):
Tracks and provides information on weather and road conditions on PEI.

Construction Analysis and Tracking System Remote (CATS Remote):
Management of load tickets for printing and monitoring. This system runs parallel to CATS during the construction season.

Construction Analysis and Tracking System (CATS):
Tracks all Government of PEI construction contracts from tender submissions through payout.

Electronic Billing Information System (EBIS):
Tracking of utility bills and kilowatt usage for all government departments.

Fleet Management System (FMS):
Manages the corporate fleet of leased vehicles by monitoring all payments and expenses for all departments, plus manages parts inventory, labour and maintenance for government garages.

Integrated Traffic Monitoring System (ITMS):
Tracks vehicle traffic data for all PEI highways and generates ad hoc reports.

Land Information Management System (LIMS):
Tracks and monitors Crown owned land history from current to past leaseholders along with use of land.

Travel Claims System (TCS):
Tracks Travel Claims by employee with the Department of Transportation and Infrastructure Renewal.

Pavement Management System (PMS):
Collects data on pavement conditions and road attributes.

Highway Lab Information Management System (HLIMS):
Collects data from an array of tests on materials and soils to ensure compliance with the Department's specifications.

The International Registration Plan
The International Registration Plan (IRP) is a Registration Reciprocity Agreement among the Canadian and US Jurisdictions providing for payment of license fees on the basis of total distance operated in all jurisdictions. The fees are divided among the IRP jurisdictions through which the vehicles travel and allow movement on an interjurisdictional and intrajurisdictional basis.

Typically vehicles over 11,794 kgs (26,000 lbs) or buses with 20 seats or more that wish to travel in two or more jurisdictions must register under IRP. It is not mandatory that vehicles be registered under the Agreement, but if carriers do not register, they will be required to register in their base jurisdiction and obtain temporary or single trip permits from member jurisdictions in which they intend to travel.

During the fiscal year April 1, 2013 - March 31, 2014, there were a total of 195 Prince Edward Island based carriers registering a total of 671 vehicles under the Agreement.

IRP Clearinghouse

Prince Edward Island has been a participating member of the IRP Clearinghouse since November 2002. This involves the electronic exchange and reconcilement of registration and tax fee information and funds through a central computer system among member jurisdictions of the International Registration Plan. Presently 56 of the 59 member jurisdictions are members of the Clearinghouse.

Canadian Agreement on Vehicle Registration (CAVR)

CAVR is a Full and Free Reciprocity Agreement for Category "B" vehicles for interprovincial operations that may operate in all Canadian Provinces when legally registered in their home jurisdiction. They cannot be used for intra-provincial transportation, unless they meet conditions specified in Article V of the Agreement.

IRP services are provided at the Charlottetown office of the Highway Safety Division. The distribution of revenue, for the fiscal year April 1, 2013 - March 31, 2014 is listed in the tables that follow.

DISTRIBUTION OF REVENUE COLLECTED FROM P.E.I. BASED CARRIERS
FOR CANADIAN JURISDICTIONS
APRIL 1, 2013 - MARCH 31, 2014

PROVINCE	REGISTRATION FEES	AUDITS	SALES TAX FEES	ADMIN. FEES	TOTAL FEES
PE	$ 396,719.00	(24.66)	$ 2,377.35	$ 40,130.00	$ 439,201.69
NB	$ 414,166.56	776.36	$ 0.00	$ 0.00	$ 414,942.92
NS	$ 199,246.59	714.13	$ 0.00	$ 0.00	$ 199,960.72
NL	$ 5,222.67	0.00	$ 0.00	$ 0.00	$ 5,222.67
QC	$ 111,925.40	5.00	$ 0.00	$ 0.00	$ 111,930.40
ON	$ 84,310.00	(1.00)	$ 0.00	$ 0.00	$ 84,309.00
MB	$ 1,119.00	0.43	$ 1,139.80	$ 0.00	$ 2,259.23
SK	$ 1,301.00	(1.33)	$ 868.16	$ 0.00	$ 2,167.83
AB	$ 910.00	3.00	$ 0.00	$ 0.00	$ 913.00
BC	$ 603.59	(2.36)	$ 637.15	$ 0.00	$ 1,238.38
Total	**$ 1,215,523.81**	**+ 1,469.57**	**$ 5,022.46**	**$ 40,130.00**	**$ 1,262,145.84**

****All Fees in Canadian Dollars**

DISTRIBUTION OF REVENUE COLLECTED FROM P.E.I. BASED CARRIERS
FOR U.S. JURISDICTIONS
APRIL 1, 2013 - MARCH 31, 2014

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
Alabama	$ 61.58	$ 0.00	$ 0.00	$ 61.58
Arizona	$ 570.90	$ 0.00	$ 0.00	$ 570.90
Arkansas	$ 42.82	$ 0.00	$ 0.00	$ 42.82

DISTRIBUTION OF REVENUE COLLECTED FROM P.E.I. BASED CARRIERS FOR U.S. JURISDICTIONS
APRIL 1, 2013 - MARCH 31, 2014

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
California	$ 565.00	$ 0.00	$ 0.00	$ 565.00
Colorado	$ 85.91	$ 0.00	$ 72.39	$ 158.30
Connecticut	$ 7,057.45	$ 0.00	$ 0.00	$ 7,057.45
Delaware	$ 1,024.07	$ 0.00	$ 0.00	$ 1,024.07
Dist. Of Columbia	$ 13.13	$ 0.00	$ 0.00	$ 13.13
Florida	$ 1,438.59	$ 0.00	$ 0.00	$ 1,438.59
Georgia	$ 603.31	$ 0.00	$ 82.70	$ 686.01
Idaho	$ 103.60	$ 0.00	$ 0.00	$ 103.60
Illinois	$ 1,903.56	$ 0.00	$ 0.00	$ 1,903.56
Indiana	$ 518.37	$ 0.00	$ 235.75	$ 754.12
Iowa	$ 683.18	$ 0.00	$ 0.00	$ 683.18
Kansas	$ 82.38	$ 0.00	$ 0.00	$ 82.38
Kentucky	$ 259.54	$ 0.00	$ 115.51	$ 375.05
Louisiana	$ 11.22	$ 0.00	$ 0.00	$ 11.22
Maine	$ 20,293.75	$ 0.00	$ 34,581.88	$ 54,875.63
Maryland	$ 1,447.45	$ 0.00	$ 0.00	$ 1,447.45
Massachusetts	$ 11,153.63	$ 0.00	$ 0.00	$ 11,153.63
Michigan	$ 2,805.78	$ 0.00	$ 0.00	$ 2,805.78
Minnesota	$ 131.75	$ 0.00	$ 0.00	$ 131.75
Mississippi	$ 50.13	$ 0.00	$ 31.75	$ 81.88
Missouri	$ 246.24	$ 0.00	$ 0.00	$ 246.24
Montana	$ 114.73	$ 0.00	$ 32.72	$ 147.45
Nebraska	$ 159.44	$ 0.00	$ 0.00	$ 159.44
Nevada	$ 54.97	$ 0.00	$ 54.93	$ 109.90
New Hampshire	$ 1,355.58	$ 0.00	$ 0.00	$ 1,355.58
New Jersey	$ 5,830.10	$ 0.00	$ 0.00	$ 5,830.10
New Mexico	$ 22.01	$ 0.00	$ 0.00	$ 22.01
New York	$ 9,337.57	$ 0.00	$ 2,315.70	$ 11,653.27
North Carolina	$ 1,316.39	$ 0.00	$ 0.00	$ 1,316.39

DISTRIBUTION OF REVENUE COLLECTED FROM P.E.I. BASED CARRIERS FOR U.S. JURISDICTIONS APRIL 1, 2013 - MARCH 31, 2014

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
North Dakota	$ 47.31	$ 0.00	$ 0.00	$ 47.31
Ohio	$ 542.17	$ 0.00	$ 0.00	$ 542.17
Oklahoma	$ 113.22	$ 0.00	$ 0.00	$ 113.22
Oregon	$ 38.10	$ 0.00	$ 0.00	$ 38.10
Pennsylvania	$ 9,467.24	$ 0.00	$ 1,119.71	$ 10,586.95
Rhode Island	$ 302.54	$ 0.00	$ 0.00	$ 302.54
South Carolina	$ 675.50	$ 0.00	$ 0.00	$ 675.50
South Dakota	$ 95.62	$ 0.00	$ 0.00	$ 95.62
Tennessee	$ 360.38	$ 0.00	$ 0.00	$ 360.38
Texas	$ 90.15	$ 0.00	$ 0.00	$ 90.15
Utah	$ 67.38	$ 0.00	$ 58.14	$ 125.52
Vermont	$ 1,364.27	$ 0.00	$ 0.00	$ 1,364.27
Virginia	$ 1,875.21	$ 0.00	$ 0.00	$ 1,875.21
Washington	$ 271.01	$ 0.00	$ 1.53	$ 272.54
West Virginia	$ 276.35	$ 0.00	$ 253.02	$ 529.37
Wisconsin	$ 371.45	$ 0.00	$ 0.00	$ 371.45
Wyoming	$ 234.07	$ 0.00	$ 0.00	$ 234.07
Total	**$ 85,536.10**	**$ 0.00**	**$ 38,955.73**	**$ 124,491.83**

*****All Fees in US Dollars**

DISTRIBUTION OF REVENUE COLLECTED BY CANADIAN JURISDICTIONS FOR PRINCE EDWARD ISLAND APRIL 1, 2013 - MARCH 31, 2014

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX	TOTAL FEES
NB	$ 197,797.00	$ (1,451.94)	$ 2,370.28	$ 198,715.34
NS	$ 78,805.00	$ (0.14)	$ 3,949.94	$ 82,754.80
NL	$ 8,889.00	$ 0.00	$ 0.00	$ 8,889.00
QC	$ 41,688.00	$ (668.85)	$ 0.00	$ 41,019.15
ON	$ 24,186.54	$ 0.00	$ 114.08	$ 24,300.62
MB	$ 4,491.00	$ (0.07)	$ 338.52	$ 4,829.45

DISTRIBUTION OF REVENUE COLLECTED BY CANADIAN JURISDICTIONS FOR PRINCE EDWARD ISLAND APRIL 1, 2013 - MARCH 31, 2014				
JURISDICTION	**REGISTRATION FEES**	**AUDITS**	**SALES TAX**	**TOTAL FEES**
SK	$ 208.00	$ 0.00	$ 0.70	$ 208.70
AB	$ 2,702.00	$ 0.00	$ 31.90	$ 2,733.90
BC	$ 2,652.00	$ 0.00	$ 0.00	$ 2,652.00
Total	**$ 361,418.54**	**$ (2,121.00)**	**$ 6,805.42**	**$ 366,102.96**

*****All fees in Canadian Dollars**

DISTRIBUTION OF REVENUE COLLECTED BY U.S. JURISDICTIONS FOR PRINCE EDWARD ISLAND APRIL 1, 2013 - MARCH 31, 2014				
JURISDICTION	**REGISTRATION FEES**	**AUDITS**	**SALES TAX FEES**	**TOTAL FEES**
Alabama	$ 36.13	$ 0.00	$ 0.00	$ 36.13
Arizona	$ 2,561.70	$ 0.43	$ 0.00	$ 2,562.13
Arkansas	$ 390.00	$ 0.00	$ 0.00	$ 390.00
California	$ 167.15	$ 0.36	$ 0.00	$ 167.51
Colorado	$ 0.20	$ 0.00	$ 0.00	$ 0.20
Connecticut	$ 129.03	$ 0.00	$ 0.00	$ 129.03
Delaware	$ 6.00	$ 0.00	$ 0.00	$ 6.00
Dist. Of Columbia	$ 0.00	$ 0.00	$ 0.00	$ 0.00
Florida	$ 217.19	$ 0.43	$ 0.00	$ 217.62
Georgia	$ 17.00	$ 0.00	$ 0.00	$ 17.00
Idaho	$ 30.35	$ 0.00	$ 0.00	$ 30.35
Illinois	$ 2,059.59	$ 5.03	$ 0.00	$ 2,064.62
Indiana	$ 1,393.00	$ 0.00	$ 0.00	$ 1,393.00
Iowa	$ 0.76	$ 0.00	$ 0.00	$ 0.76
Kansas	$ 35.00	$ 0.00	$ 5.31	$ 40.31
Kentucky	$ 0.00	$ 0.11	$ 111.98	$ 112.09
Louisiana	$ 90.24	$ 0.00	$ 0.00	$ 90.24
Maine	$ 5,314.77	$ 0.06	$ 0.00	$ 5,314.83
Maryland	$ 130.10	$ 0.00	$ 0.00	$ 130.10
Massachusetts	$ 39.00	$ 0.00	$ 0.00	$ 39.00
Michigan	$ 65.00	$ 0.09	$ 0.00	$ 65.09
Minnesota	$ 11.04	$ 5.04	$ 0.00	$ 16.08

DISTRIBUTION OF REVENUE COLLECTED BY U.S. JURISDICTIONS FOR PRINCE EDWARD ISLAND APRIL 1, 2013 - MARCH 31, 2014

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
Mississippi	$ 368.32	$ 0.00	$ 0.00	$ 368.32
Missouri	$ 26.71	$ 0.00	$ 0.00	$ 26.71
Montana	$ 1.89	$ 0.00	$ 0.00	$ 1.89
Nebraska	$ 27.45	$ 0.00	$ 0.23	$ 27.68
Nevada	$ 178.00	$ 0.00	$ 0.00	$ 178.00
New Hampshire	$ 6,275.02	$ 0.00	$ 0.00	$ 6,275.02
New Jersey	$ 25.71	$ (0.02)	$ 0.00	$ 25.69
New Mexico	$ 6.13	$ 0.00	$ 0.00	$ 6.13
New York	$ 249.00	$ 0.00	$ 0.13	$ 249.13
North Carolina	$ 66.96	$ (0.56)	$ 0.00	$ 66.40
North Dakota	$ 97.57	$ 0.00	$ 0.00	$ 97.57
Ohio	$ 1,125.70	$ 0.00	$ 0.00	$ 1,125.70
Oklahoma	$ 123.00	$ 0.00	$ 0.00	$ 123.00
Oregon	$ 344.82	$ 0.00	$ 0.00	$ 344.82
Pennsylvania	$ 830.40	$ (0.25)	$ 0.00	$ 830.15
Rhode Island	$ 109.00	$ 0.00	$ 0.00	$ 109.00
South Carolina	$ 51.00	$ 0.00	$ 0.00	$ 51.00
South Dakota	$ 0.00	$ 0.00	$ 0.00	$ 0.00
Tennessee	$ 136.89	$ (0.17)	$ 0.00	$ 136.72
Texas	$ 129.02	$ 1.43	$ 0.00	$ 130.45
Utah	$ 1.07	$ 14.51	$ 0.00	$ 15.58
Vermont	$ 199.67	$ 0.00	$ 0.00	$ 199.67
Virginia	$ 347.73	$ 0.00	$ 0.00	$ 347.73
Washington	$ 53.44	$ 0.00	$ 0.00	$ 53.44
Wisconsin	$ 21.64	$ 0.00	$ 0.00	$ 21.64
West Virginia	$ 3.37	$ 0.00	$ 0.00	$ 3.37
Wyoming	$ 4.40	$ 0.00	$ 0.00	$ 4.40
Total	**$ 23,497.16**	**$ 26.49**	**$ 117.65**	**$ 23,641.30**

****All Fees are in U.S. Dollars**

RECAP OF REVENUE - APRIL 1, 2013 - MARCH 31, 2014

Distribution of Revenue Collected from Prince Edward Island Base Plated Carriers:

Revenue Retained by Prince Edward Island	$439,201.69
Revenue Collected for Canadian Jurisdictions	$822,944.15
Total Canadian Revenue Collected from PE Base Plated Carriers	$1,262,145.84
Total U.S. Revenue Collected from PE Base Plated Carriers	$124,491.83

Distribution of Revenue Collected from Member Jurisdictions for Prince Edward Island:

Revenue Collected for PE by Canadian Jurisdictions	$366,102.96
Revenue Collected for PE by U.S. Jurisdictions	$23,641.30

*****All Fees in Canadian Dollars**

Registration and Licensing

Registration and Licensing service delivery is carried out through a service level agreement with Access PEI.

Vehicle Registration Breakdown

Type	2012/13	2013/14
Cars	71,836	73,547
Trucks	24,357	24,202
Motorcycles	2,651	2,725
Buses	438	434
Trailer	14,228	14,969
Off-Road Vehicle	1,364	1,576
Miscellaneous - Other Vehicles	714	953
Total	**115,588**	**118,406**

Total Number of Drivers per Class

Class	2012/13	2013/14
CLASS 1 - Tractor Trailers	4,146	4,209
CLASS 2 - Bus for more than 24 passengers including School Bus	1,029	1,043
CLASS 3 - Trucks over 14,000 kgs	5,297	5,277
CLASS 4 - Ambulance, Bus, Taxi for less than 24 passengers	2,772	2,800
CLASS 5 - Car, light truck	89,173	90,437
CLASS 6 - Motorcycle	10,070	10,139
CLASS 7 - Beginner's Instruction Permit	2,921	2,943

Conservation Plates

Conservation License Plates were made available to public for sale on September 20, 2013. Conservation Plates are available for a $10 annual fee and all proceeds go to the Wildlife Conservation Fund, which helps to protect and enhance wildlife and habitat. The plates are available in French and English with 5 unique designs. 12,276 of these plates were sold in the first year.

• Red Fox	5,009
• Blue Jay	2,573
• Canada Goose	1,620
• Brook Trout	1,567
• Lady Slipper	1,507

SAFETY SECTION

The Safety Section deals with issues relating to the driver and vehicle. In each of these categories, the measures designed to counter highway collisions were separated into education and enforcement techniques which are primarily directed to highway users, and by engineering developments directed to safety improvements of the vehicle. Counter measures were planned and conducted on the premise that the driver is ultimately responsible for motor vehicle operation on the highway. The counter measure strategy is to increase the driver's knowledge of highway laws and safe driving practices. These include: utilizing the news media for promotional and information purposes, testing new drivers, having licensing control over newly licensed drivers and correction of unsafe practices among all drivers.

The Safety Section plans and co-ordinates the following programs:

- Promotion of Highway Safety
- Driver Improvement Programs
- Motor Vehicle Inspection
- Highway Weight Enforcement
- National Safety Code

The basic objective of driver testing is to establish and maintain acceptable standards for the issuance of driver licenses for all classes of vehicles in accordance with the provisions of the *Highway Traffic Act*, regulations, and Department policies. A driver requires the necessary knowledge, skill, physical and mental ability to operate a motor vehicle in order to obtain a driver's license.

A Driver Examiner tests all drivers applying for an initial license at Highway Safety, as well as those applying for a higher class of license. Tests are passed by successfully completing a written examination of rules of the road, a vision screening and a behind-the-wheel road test.

Driver Testing Statistics			
Knowledge Tests 2012/13	**Knowledge Tests 2013/14**	**Road Tests 2012/13**	**Road Tests 2013/14**
2,470	2,503	3,227	3,056

Driver Education Licensing Certification Program
Highway Safety encourages young drivers to become involved in a Driver Education Program in order to promote correct driving habits. Applicants enrolled in a Driver Education Program can obtain their Instruction Permit at 15 ½ years of age; however, they must wait at least 180 days and be at least 16 years of age before becoming eligible for a road test.

Nine Commercial Driver Education Schools operated in Prince Edward Island during the year. Each school offered twenty-five hours of in-classroom instruction and ten hours behind-the-wheel training and six hours of observation time as required by the Driving School Regulations.

Driver Education School - Class 5 Driver License			
Written Examinations		**Road Tests**	
2012/13	1,015	2012/13	1,146
2013/14	968	2013/14	1,133

Driver Improvement Program
The primary function of driver improvement is to identify problem drivers through their driving record. Interviews and meetings are conducted to encourage drivers to change their driving habits and attitudes in order to reduce fatalities, injuries and property damage. When a driver accumulates six or more demerit points, they are advised of the consequences which could result by the accumulation of additional demerit points. Nine or more demerit points requires the driver to attend a driver improvement interview, during which the driver is provided

with an awareness of a driving problem and the process to a solution for the problem. Twelve or more demerit points results in the suspension for three months of the driver's license. All suspended drivers must attend a reinstatement interview and a Driver Improvement Course. Failure to attend this course could result in further suspension of the driver's license. During the year, a total of 78 drivers successfully completed the Driver Improvement Course.

Driver Rehabilitation Program

All drivers who are convicted of a second or subsequent offence for impaired driving pursuant to Section 253(a) (impaired driving), 253(b) (failing the breathalyser), or 254(c) (refusal of the breathalyser) of the *Criminal Code of Canada* must complete a driver risk assessment which is conducted by Highway Safety. This assessment must be completed before a suspended driver can have their driver's license considered for reinstatement. Further referral to Addiction Services or to a Driver Rehabilitation Program could be required.

A Driver Rehabilitation Program is also conducted for a first-time offender convicted of impaired driving. This program is a requirement before a driver's license is reinstated. During the year, 129 drivers completed Driver Rehabilitation Program.

Assessment Program

The Alcohol Assessment Referral Program requires drivers with three or more convictions for impaired driving to have an alcohol assessment completed and, if required, undergo curative treatment at an addiction services centre. A probationary driver's license may be returned to the driver if the treatment program recommended by Addiction Services was followed. The probationary license is valid as long as the treatment program is followed. During the year, a total of seven drivers participated in the Assessment Program.

Ignition Interlock Program

This program is available to offenders after a drinking and driving conviction and will allow for early reinstatement of a driver's license upon successful application. It is designed to encourage individuals to seek help quickly and address any alcohol-related problems.

The Ignition Interlock Program is a mandatory requirement for reinstatement of a driver's licence for all second and subsequent convictions of impaired driving.

Eligible drivers are issued a restricted driver's license once the interlock device is installed on the vehicle which allows only the operation of that vehicle. The device prevents the vehicle being started if alcohol above a preset level is detected in the driver's breath samples. All activity is recorded and monitored by Highway Safety Division via a built-in data logger. Failure to comply with operational requirements will result in the removal of the interlock device and reinstatement of the suspension period. During the year 2013/14, a total of 182 drivers entered into the Ignition Interlock Program.

IGNITION INTERLOCK INSTALLATIONS
2007 - 2013

YEAR	DWI CONVICTIONS	TOTAL IIPS INSTALLED
2007	411	47
2008	365	61
2009	392	68
2010	424	73
2011	373	99
2012	327	94
2013	297	179

Novice Driver Course

The Novice Driver Course is compulsory unless a Driver Education Course has been successfully completed. All new drivers applying for a license must complete either of these courses prior to taking a road test. The Novice Driver Course is made available through Highway Safety. Courses can be taken in Charlottetown, Montague, Souris, Summerside and Elmsdale. During the year, a total of 630 students successfully completed the Novice Driver Course.

Defensive Driving Course

Courses on safe driving habits have been developed by the Canada Safety Council with the cooperation of provincial governments. In Prince Edward Island, this course is administered by the PEI Safety Council, which is affiliated with St. John Ambulance. Attendance at these courses is voluntary. Those who successfully complete the course receive a bonus of three points which can be used as a credit in the Demerit Point System. During the year, a total of 64 drivers successfully completed the Defensive Driver Course.

Collision and Reporting System (CARS)

During the year 2013, there were 1,558 collisions resulting in 1,180 injuries and 15 fatalities. The fatalities included eight drivers of vehicles, three drivers of motorcycles, one passenger of vehicle, one passenger of motorcycle and two pedestrians.

Traffic Safety Promotion

Highway Safety provides information regarding traffic safety through the use of the news media, brochures, posters and pamphlets. Campaigns are conducted promoting rules of the road, bicycle safety, off-highway vehicle rules, vehicle safety, winter driving tips, registration and license renewal reminders and seat belt use. A continuous campaign is conducted to encourage drivers not to drink and drive. The SADD (Students Against Drunk Driving) program is also promoted and encouraged through Highway Safety. Six of the high schools across the Province have a Chapter of SADD.

Motor Vehicle Inspection

The Motor Vehicle Inspection Program monitors the operating condition of all motor vehicles in Prince Edward Island. Inspection stations and mechanics are required to meet specific criteria in order to be licensed by the Province through Highway Safety. The stations and mechanics are closely monitored by Motor Vehicle Inspection Officers.

Salvage Vehicle Inspection Program

The Salvage Vehicle Inspection Program was implemented on May 1, 2013 by an amendment to the Motor Vehicle Inspection Regulations. The new program applies to all "salvage" branded cars and light trucks. These vehicles are now required to be submitted to an inspection conducted by a certified auto body repairer, employed at a certified auto body shop, ensuring that the vehicle has been repaired and reassembled to an acceptable industry standard before being submitted to the annual safety inspection. Motor Vehicle Inspection Officers monitor the stations and technicians.

Motor Vehicle Inspection Statistics							
No. Stations	**No. Mechanics**	**Results of Inspections**	**Cars Light Trucks**	**Trucks**	**Farm Trucks**	**Motorcycle Light Trailer**	**Trailers with brakes**
220	537	Passed	92,825	6,143	238	4,052	3,749
		Rejected	5,262	302	13	95	184
Type of Vehicle	# Defective Brakes	# Defective tire/wheels	# Defective suspension	# Defective steering	# Defective exhaust	# Defective body/frame	windshield & glazing
Light Vehicle	14,205	6,610	7,817	4,964	2,944	2,746	1,505
Commerical Vehicle	2,035	952	523	386	2,944	2,746	1,505

Commercial Vehicle Enforcement

Roadside Vehicle Checks - Highway Safety Peace Officers, in cooperation with police agencies, conducted 18 roadside vehicle check stops throughout the year. Items checked include driver's license, vehicle registration, inspection, insurance coverage, use of seat belts, window tint and infractions under the *Liquor Control Act*.

Inspection Facilities (Stationary Scales)

There are two weigh scale stations in Prince Edward Island. One is located at Borden-Carleton and the other in Wood Islands. The Borden-Carleton Scales are open 24-hours a day throughout the year and are staffed by five full-time officers, two full/part-time officers and one relief officer. The Wood Islands Scales operate from May to mid December each year, and are open daily. Staff includes two permanent full-time officers.

Commercial Vehicle Enforcement Officers are responsible for enforcement of the *Roads Act* and Vehicle Weight Regulations, *Highway Traffic Act* and Regulations, *Transportation of Dangerous Goods Act* and Regulations, *Plant Health Act* and the *Animal Health Act.* Commercial Vehicle Enforcement Officers assist with the scanning and data entry of the Motor Vehicle Inspection System (contributing to the storage of 90,000 information forms yearly).

Commercial Vehicle Enforcement Statistics

Truck Movement		
Activity	**Location**	**Number**
Canadian Trucks	Borden/Carleton Scales Wood Islands Scales	154,841 8,200
U.S. Trucks	Borden/Carleton Scales Wood Islands Scales	7,681

Driver and Vehicle Checks		
Activity	**Location**	**Number**
Driver's Documents	Borden/Carleton Scales Wood Islands Scales	15,164 425
Hours of Work (Driver's Log)	Borden/Carleton Scales Wood Islands Scales	148 8
Trip Inspections	Borden/Carleton Scales Wood Islands Scales	148 8
Dangerous Goods Inspections	Borden/Carleton Scales Wood Islands Scales	28 0

Miscellaneous Activities		
Activity	**Location**	**Number**
Quick Check Stickers Issued	Borden/Carleton Scales Wood Islands Scales	27 0
Potato Disinfectant Slips Collected	Borden/Carleton Scales Wood Islands Scales	8,366 182

Miscellaneous Activities		
Activity	**Location**	**Number**
Vehicles Checked For Taxable Goods	Borden/Carleton Scales Wood Islands Scales	50 0
Forest Products	Borden/Carleton Scales Wood Islands Scales	962 100
Vehicles Quarantined Plant Health Act	Borden/Carleton Scales Wood Islands Scales	1 0
Apiary Act	Borden/Carleton Scales Wood Islands Scales	5 0
Animal Health Act	Borden/Carleton Scales Wood Islands Scales	106 0
Fisheries Product Act	Borden/Carleton Scales Wood Islands Scales	2,008 17

Permits Issued			
Type	**Location**	**Number**	**Revenue**
In-Transit	Borden/Carleton Scales Wood Islands Scales	64 3	$640.00 $30.00
Oversize	Borden/Carleton Scales Wood Islands Scales	850 14	$97,050.00 $1,450.00
Overweight	Borden/Carleton Scales Wood Islands Scales	248 5	$50,440.00 $520.00
Trip	Borden/Carleton Scales Wood Islands Scales	327 4	$80,612.00 $900.00
Fuel	Borden/Carleton Scales Wood Islands Scales	376 9	$9,400.00 $225.00
Work	Borden/Carleton Scales Wood Islands Scales	73 4	$26,200.00 $1,600.00
Non-Compliance	Borden/Carleton Scales Wood Islands Scales	34 7	$69,400.00 $200.00
Disinfection Fees	Borden/Carleton Scales Wood Islands Scales	1,137 45	$12,961.00 $513.00
Other Front end decals	Borden/Carleton Scales Wood Islands Scales	42 1	$840.00 $20.00
Total	**Borden/Carleton Scales** **Wood Islands Scales**	**3,464** **86**	**$347,543.00** **$5,458.00**

Recorded Violations			
Item	**Location**	**Number**	**Revenue**
Roads Act	Borden/Carleton Scales Wood Islands Scales	46 4	$10,498.00 $1,192.00

Recorded Violations			
Item	**Location**	**Number**	**Revenue**
Highway Traffic Act	Borden/Carleton Scales Wood Islands Scales	5 1	$1,275.00 $175.00
Dangerous Goods Act	Borden/Carleton Scales Wood Islands Scales Portables	1 0 0	0
Total	**Borden/Carleton Scales** **Wood Islands Scales**	**52** **5**	**$11,773.00** **$1,367.00**

Enforcement Officers conduct Commercial Vehicle Safety Alliance (CVSA) roadside inspection of drivers and vehicles and loads carried.

Vehicles inspected fall into three categories:

- Pass (CVSA sticker applied to vehicle)
- Out of Service (vehicle must be towed or repaired before it proceeds)
- Restricted (vehicle must be repaired before next dispatch)

Drivers inspected fall into two principle areas:

- Non-compliant
- Compliant

These inspections would include hours of service (log book), status of license, required endorsements, etc.

Commercial Vehicle Safety Alliance Statistics		
Item	**2012/13**	**2013/14**
Total Number of Trucks & Truck Trailers Inspected	384	201
Power Units Out Of Service	23	18
Tractor Trailers Out Of Service	9	7

The Portable Scale Unit consists of one vehicle and portable wheel weigher scales. The unit is staffed by two permanent full-time officers.

Officers enforce the *Roads Act*, Vehicle Weight Regulations, *Highway Traffic Act*, *Transportation of Dangerous Goods Act*, Fuel Tax, *Plant Health Act* and *Animal Health Act.*

Portable Scales Statistics	
Charges	**Revenue**
85	$ 25,355.00

Carrier Management

The National Safety Code Auditor completed eight educational visits to carrier locations throughout the Province. As well, there were 13 Carrier Audits completed and three presentations to transportation groups on the new Hours of Service Regulations.

Dealer Audits

Highway Safety Officers completed audits of the Licensed Dealers in PEI. These audits are to ensure compliance with the regulations for holding a Dealer's Trade License.

PUBLIC WORKS DIVISION

The Division provides the staff and resources required to:

- Complete the design and construction of new, as well as, renovation of existing buildings for Government departments, boards, and agencies.
- Operate and maintain buildings owned or leased by the Department.

General activities and specific projects carried out by each section are summarized as follows:

BUILDING DESIGN AND CONSTRUCTION

The Building Design and Construction Section is responsible for the design and preparation of tender documents required for the construction or renovation of various government and client buildings; as well as the supervision and inspection of construction work to ensure that contracts are completed in accordance with plans, specifications, and budget allocations. The design work is either performed by staff or private consultants, engaged for a specific project.

The design and planning work includes the following:

- evaluation of existing buildings
- development of concept plans
- preparation of cost estimates
- preparation of working drawings and specifications required to obtain tenders, receipt of tenders and preparation of construction contracts
- construction contract administration and quality control
- preparation of Request for Proposals covering required consultant and construction management services and evaluation of these proposals.

SCHEDULE OF CONSTRUCTION TENDERS RECEIVED (April 1, 2013 - March 31, 2014)

Sherwood Elementary School - Partial Roof Replacement - Apr 11, 2013	
Ashe Roofing Ltd.	$153,630.00
Atlantic Roofers Ltd.	$165,972.00
Flynn Canada Ltd.	$207,434.00
A-Tech Roofing Ltd.	$223,700.00
McCarthy's Roofing Ltd.	$229,000.00

Vernon River Consolidated School - Partial Roof Replacement - Apr 11, 2013	
Ashe Roofing Ltd.	$72,940.00
Atlantic Roofers Ltd.	$78,976.00
A-Tech Roofing Ltd.	$102,400.00
McCarthy's Roofing Ltd.	$128,500.00
Flynn Canada Ltd.	$140,910.00

Stonepark Intermediate School - Partial Roof Replacement - Apr 11, 2013	
Ashe Roofing Ltd.	$51,480.00
Atlantic Roofers Ltd.	$53,474.00
A-Tech Roofing Ltd.	$81,000.00
McCarthy's Roofing Ltd.	$84,000.00
Flynn Canada Ltd.	$117,329.00

Souris K-12 School - Portable Classroom Relocation - Apr 18, 2013

Van Wiechen Construction Ltd.	$3,600.00
PD Construction Ltd.	$4,850.00
Moveall Structures	$5,978.00

LCC Warehouse - Partial Roof Replacement - Apr 25, 2013

Atlantic Roofers Ltd.	$52,975.00
Ashe Roofing Ltd.	$56,800.00
McCarthy's Roofing Ltd.	$74,600.00

Ecole Evangeline - Replace Aluminum Entrances - May 2, 2013

City Glass	$22,778.11
O'Connor Glass	$29,509.00
Economy Glass	$37,850.00

Souris K-12 School - TP# 17 - Kitchen Equipment - May 7, 2013

Big Erics	$168,701.05
Hendrix Restaurant Equipment	$217,758.38
Summertime Industries	$252,804.00

Souris K-12 School - TP# 16 - Cabinetry & Millwork - May 7, 2013

Nova Wood Products	$340,900.00
Chandlers Millwork	$427,333.00
Ryson Interior Construction Ltd.	$1,388,276.00

Souris K-12 School - TP# 14 - Electrical - May 7, 2013

Olympia Electric	$1,272,000.00
Hansen Electric	$1,464,000.00
EMC - Entire Mechanical Contractors	$1,836,000.00

Souris K-12 School - TP# 13 - HVAC - May 7, 2013

J & S Sheet Metal	$1,106,000.00
Brunswick Sheet Metal	$1,125,000.00
Atlantica Mechanical	$1,174,000.00
EMC - Entire Mechanical Contractors	$1,220,000.00
Gavin Gill	$1,632,000.00

Souris K-12 School - TP# 12 - Plumbing & Heating - May 7, 2013

Mr. Plumber	$1,179,800.00
Bevan Bros.	$1,418,000.00
EMC - Entire Mechanical Contractors	$1,448,000.00
Precision Mechanical Inc.	$1,691,000.00
Atlantica Mechanical	$1,793,000.00

Souris K-12 School - TP# 11 - Fire Protection - May 7, 2013

Troy Life & Fire Safety	$416,729.00
Viking Fire Protection	$547,000.00

Souris K-12 School - TP# 7 - Roofing - May 7, 2013

Atlantic Roofers Ltd.	$540,817.00
Ashe Roofing Ltd.	$628,200.00

Souris K-12 School - TP# 6 - Metal Siding - May 7, 2013

Vic West	$388,017.00
Flynn Canada Ltd.	$479,887.00
MacLean Construction Ltd.	$571,488.00

Souris K-12 School -TP# 3 - Bldg Envelope (K-6 & Cafetorium) - May 7, 2013

MacLean Construction Ltd.	$2,695,000.00
Brighton Construction	$3,019,000.00

Souris K-12 School - TP# 2 - Site Work - May 7, 2013

Kings County Construction	$1,558,969.00
Chapman Bros.	$1,717,479.68

Souris K-12 School -TP# 4 - Building Envelope (New Gym & MVR) - May 9, 2013

Brighton Construction	$1,733,000.00
MacLean Construction Ltd.	$1,861,000.00

Souris K-12 School - TP# 15 - Flooring - May 14, 2013

Tilemaster Inc.	$581,000.00
House of Excellence	$645,000.00

Souris K-12 School - TP# 10 - Gym Flooring & Equipment - May 14, 2013

Centaur Products Inc.	$229,867.00

Souris K-12 School - TP# 9 - Elevator - May 14, 2013

Thysen Krupp	$86,959.00

Souris K-12 School - TP# 8 - Interior Fit-Up - May 14, 2013

MacLean Construction Ltd.	$2,470,000.00
Brighton Construction	$2,799,000.00

Souris K-12 School - TP# 5 - Glazing - May 14, 2013

O'Connor Glass	$561,243.00
Economy Glass	$667,000.00

Souris K-12 School - TP# 1 - Fuel Storage (Buses) - May 14, 2013

Chapman Bros.	$151,819.23

Ecole Sur Mer EYC - Modifications - May 30, 2013

OMD Construction	$10,000.00
MacLean Construction Ltd.	$18,100.00

Agricultural Insurance Corporation Building -Tenant Fit-Up - May 30, 2013

Brighton Construction	$274,000.00
GIA Construction	$290,700.00
MacLean Construction Ltd.	$315,000.00

Gulf Shore Health Centre - Interior Renovation - May 30, 2013

MacLean Construction Ltd.	$9,694.00
WM&M Ltd.	$10,420.00
OMD Construction	$12,500.00

Ecole Sur Mer EYC - Phase 3 Addition - June 4, 2013

OMD Construction	$447,000.00
WM&M Ltd.	$469,000.00
Fitzgerald & Snow	$478,200.00
GIA Construction	$487,300.00
MacLean Construction Ltd.	$519,000.00

Three Oaks Senior High School - Partial Roof Replacement - June 20, 2013

Atlantic Roofers Ltd.	$78,470.00
Ashe Roofing Ltd.	$89,400.00
A-Tech Roofing Ltd.	$103,480.00

Parkside Elementary - Ceiling Replacement - June 20, 2013

OMD Construction	$23,000.00
GIA Construction	$26,500.00
MacLean Construction Ltd.	$39,600.00

New Queens County Salt Storage Structure - July 2, 2013

MacLean Construction Ltd.	$491,700.00
GIA Construction	$548,000.00
Brumac Construction	$687,000.00

Stewart Memorial Hospital Repair - July 2, 2013

WM&M Ltd.	$73,400.00
MacLean Construction Ltd.	$106,800.00
Brighton Construction	$137,800.00

Stratford LCC - Cooler Modifications - July 11, 2013

WM&M Ltd.	$13,633.00
MacLean Construction Ltd.	$20,050.00

Hernewood Intermediate School - Boiler & Stack Replacement - July 12, 2013

Ron's Plumbing & Heating	$175,000.00
EMC - Entire Mechanical Contractors	$197,400.00
Bevan Bros.	$198,000.00
Precision Mechanical Inc.	$208,650.00
Doucette Bros. P & H	(Non- Compliant Bid)

Public Administration Buildings - Plaza Redevelopment - July 18, 2013

Tender cancelled, not awarded. Project re-designed & re-tendered

Fitzgerald & Snow	$222,480.00
MacLean Construction Ltd.	$228,000.00
WM&M Ltd.	$231,000.00

New Queens County Salt Storage Structure - Building Pad Prep - Aug 7, 2013

Island Coastal Services Ltd.	$51,854.49
M&M Resources	$51,985.00
Birt & MacKay	$52,362.51
Duffy Construction	$64,100.00
Lomer MacDonald	$73,502.00

Montague Regional High School - Demolition - Aug 7, 2013

A&L Concrete Forming Ltd.	$341,700.00
G&P Trucking Ltd.	$787,000.00
CNF Mallett Ltee	$849,000.00
East Coast Demolition	$893,700.00
Vector Demolition Inc.	$1,270,000.00

Ecole Pierre Chaisson - Aug 8, 2013

Ben & Tyler Peters	$2,480.00
Kildare Construction Ltd.	$3,700.00
Atlantic Horticulture Ltd.	$3,980.00
Stewart Enterprises	$8,298.74

Ecole Evangeline - Site Work Phase 1- Aug 13, 2013

Atlantic Horticulture Ltd.	$91,060.00
AJL Ltd.	$107,000.00
Curran & Briggs	$111,900.00
Island Coastal Services Ltd.	$118,381.46

O'Leary LCC - Oil Tank Replacement - Aug 27, 2013

Ron's Plumbing & Heating	$4,974.00
GNL Environmental	$5,823.66

O'Leary LCC - Relocation - Interior Fit-Up- Aug 29, 2013

WM&M Ltd.	$236,000.00
Brighton Construction	$249,000.00
OMD Construction	$252,000.00
MacLean Construction Ltd.	$329,900.00
Avide Developments	$363,723.60

Tignish LCC - Dock Leveller Replacement - Aug 29, 2013

WM&M Ltd.	$24,000.00
Perry's Construction	$30,000.00

Public Administration Buildings - Plaza Redevelopment "Revised"- Aug 29, 2013

WM&M Ltd.	$75,500.00

Kings County Memorial Hospital - Partial Roof Replacement - Sept 24, 2013

Evolution Roofing	$246,000.00
Ashe Roofing Ltd.	$279,450.00
A-Tech Roofing Ltd.	$298,400.00
Atlantic Roofers Ltd.	$479,979.00

Spring Park Court - Partial Roof Replacement - Sept 24, 2013

Ashe Roofing Ltd.	$184,745.00
A-Tech Roofing Ltd.	$224,600.00
Atlantic Roofers Ltd.	$232,779.00

New Palliative Care Facility Phase 1: Sitework - Oct 8, 2013

Island Excavators	$269,900.00
Island Coastal Services Ltd.	$296,000.00
Brumac Construction Ltd.	$297,600.00
Brighton Construction	$300,000.00
WM&M Ltd.	$308,200.00
MacLean Construction Ltd.	$309,850.00
Wellington Construction Ltd.	$331,220.00

PEI LCC - Boardroom Renovation - Oct 22, 2013

WM&M Ltd.	$30,400.00
Brumac Construction	$32,380.00
Classic Woodworking Ltd.	$35,000.00
GD Construction	$35,400.00
Brighton Construction	$35,500.00
OMD Construction & Consulting	$38,500.00
MacLean Construction Ltd.	$40,900.00

Queens County Salt Storage Structure - Electrical Service - Oct 24, 2013

EMC - Entire Mechanical Contractors	$6,900.00
Olympia Electric	$11,290.00
Hansen Electric	$12,400.00

PEI Analytical Laboratories Stainless Steel Replacement - Oct 29, 2013

McKeigan & Morell	$14,491.00

Exisiting PE Home Upgrades for Palliative Care-Interim Location (1) - Nov 5, 2013

WM&M Ltd.	$15,835.00
MacLean Construction Ltd.	$18,400.00
Brumac Construction	$19,600.00
Brighton Construction	$21,700.00

PEI Youth Centre, Block "C" Upgrades - Nov 7, 2013

WM&M Ltd.	$197,600.00
OMD Construction	$199,900.00
Fitzgerald & Snow	$208,900.00
MacLean Construction Ltd.	$234,700.00
King Construction	$239,000.00

Former Tracadie Cross School - Demolition - Nov 14, 2013

Kings County Construction	$74,975.00
Vector Demolition Inc.	$79,000.00
G&P Trucking Ltd.	$88,890.00
Island Coastal Services Ltd.	$163,842.00

Former Maplewood Manor - Demolition - Nov 14, 2013

Kildare Construction Ltd.	$398,000.00
Vector Demolition Inc.	$529,000.00
Stewart Enterprises	$724,468.74
Island Coastal Services Ltd.	$796,994.23

Department of Education - Interior Renovation - Nov 21, 2013

WM&M Ltd.	$15,450.00
Wellington Construction Ltd.	$15,519.00
OMD Construction	$16,250.00

Exisiting PE Home Upgrades for Palliative Care-Interim Location (2) - Nov 26, 2013

Precision Mechanical Inc.	$22,475.00
EMC - Entire Mechanical Contractors	$23,600.00
Bevan Bros.	$25,730.00
Mr. Plumber	$36,980.00

ITSS Emergency Power Upgrade, 40 Burns Ave - Phase 1 - Dec 2, 2013

Hansen Electric	$48,000.00
Olympia Electric	$49,600.00
Island Coastal Services Ltd.	$56,227.69

New Palliative Care Facility Phase 2: Building - Dec 12, 2013

MacLean Construction Ltd.	$3,397,900.00
Brighton Construction	$3,426,000.00
Gill Construction Inc.	$3,534,000.00
Wellington Construction Ltd.	$3,627,245.00
Fitzgerald & Snow	$3,668,200.00
Southern Kings Construction	$3,890,000.00
King Construction	$4,125,000.00

Charlottetown Rural High School - Welding Booths Ventilation Upgrade - Dec 17, 2013

Advanced Air Systems	$42,400.00
EMC - Entire Mechanical Contractors	$51,281.00

ITSS Emergency Power Upgrade, 40 Burns Ave - Phase 2 - February 26, 2014

R.Cudmore Electric	$84,724.00
Hansen Electric	$85,100.00
Olympia Electric	$87,200.00

Sherwood Home - Radon Mitigation - March 4, 2014	
Prompt Plumbing	$13,750.00
EMC - Entire Mechanical Contractors	$17,135.00
Mr. Plumber	$31,661.00

Stonepark Intermediate School - Penthouse Walls Replacement - March 4, 2014	
MacLean Construction Ltd.	$39,549.00
OMD Construction	$39,600.00
WM&M Ltd.	$63,627.00
Brighton Construction	$77,000.00

LM Montgomery Elementary - Partial Roof Replacement - March 4, 2014	
Ashe Roofing Ltd.	$71,800.00
Atlantic Roofers Ltd.	$82,957.00
GB Roofing Ltd.	$97,900.00
McCarthy Roofing Ltd.	$102,600.00
Flynn Canada Ltd.	$124,444.00

Ecole Pierre Chaisson - Gym Exterior Upgrade - March 6, 2014	
WM&M Ltd.	$66,800.00
OMD Construction	$68,450.00
Wellington Construction Ltd.	$71,975.00
MacLean Construction Ltd.	$72,000.00

Projects from Previous Year

Contract administration and quality control was also provided for the following projects that were tendered prior to April 1, 2013:

- PE Home Long Term Care
- QEH Day Surgery
- Montague Intermediate School Addition
- Ecole Francois Buote - Phase 1

Biomass Heat

The Division provided consulting and project management services required to obtain contracts covering the provision of biomass heat for 21 government facilities. Six of the biomass heating plants were operational at the end of March 2014. Nine additional plants are scheduled to be operational by March 31, 2015.

Provision of biomass heat at these facilities, in lieu of fuel oil, will reduce green house gas emissions and provide economic stimulus related to biomass fuel production, construction and system operation.

Contracts covering the provision of biomass heat have been awarded for:

- Community Hospital O'Leary
- Three Oaks High School
- Bluefield High School
- Wedgewood Manor
- Maplewood Manor
- Miscouche School
- Western Hospital
- Athena School
- Summerside Intermediate School
- Summerside Young Offenders
- Souris Hospital
- Souris K-12 School
- Beachgrove Manor
- New PE Home
- Provincial Correctional Centre
- Stonepark School

- East Wiltshire School
- Eliot River School
- Morell High School
- Elm Street School
- Ecole sur Mer

Building Maintenance and Accommodations Section
The Building Maintenance and Accommodations Section is responsible for the provision of quality services for Government in the areas of building operations, maintenance, and accommodations; including the day-to-day operation and maintenance of Government buildings and systems. It is also responsible for the short and long-term spatial requirements of Government departments and agencies within Government owned and/or leased facilities.

Building Maintenance and Accommodations Section projects included:

Island wide services:

- Elevator maintenance contracts and service
- Snow removal contracts
- Grass cutting contracts
- Pest control contracts and service
- Garbage removal contracts
- Janitorial contracts
- Security contracts and service
- Fire alarm, emergency lighting, fire extinguisher service and inspections
- Boiler maintenance and inspections
- Water testing
- Generator contracts and service
- Building mechanical controls contracts and service
- Leasing of office space
- Accommodations requests

Prince County:

Acadian Museum	New flag poles New circulator pump
Access PEI - Summerside	Repairs to heating and cooling systems Remote access for building controls installed Interior painting Re-configure reception/new modular furniture Exterior staining
Alberton Access	New roof shingles
Alma Field Office	Repairs to salt shed
Forestry - Prince	New domestic hot water coil in boiler Repairs to interior and exterior lighting
Green Park	Oil tank replacement Repairs to dome roof and windows Repairs to verandah posts and floors
Harbourside Medical Centre	Install new video surveillance system

Kensington Post Office	Repairs to heating system New switch for compressor Repairs to outside lights Repairs to outside main entrance hand railings
Mount Pleasant VIC	Grounds maintenance Exterior painting
Prince County Jail & Courthouse	Repairs to fire escape Server room air conditioner upgrade 2nd floor carpet replacement
Scale House (Borden)	Scale deck repairs Floor maintenance New camera / monitor installation Repair to traffic lights 60-day testing, calibration and certification
Summerside Garage - Slemon Park	Garage door maintenance and repair New windows in dispatch area Repairs to chain link fence and gates Repairs to fire panel Interior painting
St. Eleanors	Removal of old workshop New exterior railings Repair and install new flooring
Summerside Youth Centre	Repair masonry corners and window sills New floor tiles in main lobby New water heater installation Window replacement
Tignish Body Shop	Repairs to indoor and outdoor lights New door track guards
Tignish Sign Shop	New oil tank New circulator for drying room New fan motor on humidifier Exterior staining
Tyne Valley Medical Centre	New interior handrails Stain exterior
West Prince RSC - O'Leary	New track lighting Sound proof and paint (2) offices for Social Services

Queens County:

Analytical Lab - Upton Rd	New UPS Building energy assessment Sterilizer servicing / maintenance
Belmont Street Warehouse	Foundation repairs Preventative roof maintenance

Brighton Road Office - AA Building	Preventative roof maintenance
	Interior and exterior painting
	Interior fit-up for ESL (Education) relocated from ATC
	Tree trimming and removal
Cavendish VIC	New UV lights and filters on well water system
	Repairs to parking lot lights
Coles Building	Roof repair and preventative maintenance
	Front and side exterior step repairs
Customs House	Exterior painting
	Attic insulation
Davies Court House	Repairs to heating/cooling system and heat pumps
	Preventative roof maintenance
	Humidifier replacement
Forestry - Queens	New oil tank
Government House	Installation of pavers for new Garden Pavilion
	Annual plantings
	Completion of new Garden Pavilion
	New public washroom
	Dining room chair upholstery
Mona Wilson Building	Exterior painting
Morrison Cottage	New hot water heater
Province House	Annual tree care maintenance
	New flag pole
	New electrical for air conditioning units
	Assembly room ceiling repairs/painting
	Exterior sidewalk re-leveling/repairs
Province House Annex	Exterior painting
	Preventative roof maintenance
	Repairs to roof dormers
	Fire escape assessment
Provincial Correctional Centre	Replace power supply to low voltage lighting
	Repair ceiling fans in cell units - new security cages
	Preventative maintenance to roof
	Interior painting - admitting/discharge and minimum areas
	New eye wash station
	New snow eliminator unit to mechanical intake grille in west wing
	Repairs to sinks, showers and toilets in units
	Waste water system upgrade
	New evaporator for walk-in cooler
	Upgrade underground oil tank
Royalty Centre - Holland College	New generator/switchgear/UPS for ITSS at Burns Ave.
	Office renovations/accommodations for Communications PEI

Shaw/Sullivan/Jones Buildings	Floor maintenance - hard surface stripping/waxing Interior painting - various locations Interior window blinds - Shaw / Sullivan Climate Control Upgrade - Jones Computer training room relocation/upgrades - 5th Sullivan Annual tree maintenance New interior carpet - Jones / Sullivan Basement doors and hardware upgrades - Shaw Lobby / elevator flooring replacement - Shaw AC units maintenance and repairs - Sullivan New security desk installations - Jones / Shaw / Sullivan Security upgrades to all PAB exterior doors and card access hardware Replacement of heating supply and return lines - Sullivan Various accommodations relocations and furniture reconfigurations Data wiring upgrades - Shaw / Sullivan / Jones Cooling tower maintenance - Sullivan Asbestos bulk sampling - Shaw / Sullivan Exterior sidewalk and courtyard renewal - PAB Replace fan units 4 and 27
TIR Storage Warehouse	New cutting block for industrial shredder

Kings County:

Basin Head/Elmira	Preventative roof repairs / maintenance New cedar shingle roof Basin Head museum
Forestry - Kings	Repairs to furnace and heating system
Highway Material Lab	New hot water circulator New oil tank and underground piping Interior floor cleaning - stripping / waxing Preventative roof maintenance
Kings County Courthouse	Flooring maintenance - carpet cleaning, stripping/waxing Preventative roof maintenance Interior painting and ceiling tile replacement
Lea Crane Building	Flooring Maintenance - stripping / waxing New thermostats
MacPhail Homestead	Repairs to decorative stone pillars Structural assessment of 2nd floor load capacity
Montague Food Bank	New double doors
Montague Office Complex	New flag pole Exterior painting
Orwell Historic Village	Roof investigation on church Temporary bracing to address structural issues at church Paint exterior of church
Rollo Bay School	Repair thermostats New UV light, sleeve and water filter Radon testing and analysis Boiler repairs including circulator and thermostat Preventative roof maintenance

Scale House (Wood Islands)	Scale deck repairs
	Floor maintenance
	New camera / monitor installation
	Repair to traffic lights
	60-day testing, calibration and certification
	Repairs to traffic lights
Southern Kings/Queens RSC	Exterior painting
	New flag pole
	DDC controls upgrade
	Preventative roof maintenance

LAND AND ENVIRONMENT DIVISION

The Land and Environment Division is comprised of three sections including Environmental Management, Properties and the Office of the Provincial Chief Surveyor. The Division provides the staff and resources required to:

- provide environmental management and regulatory compliance services for the Department, and for others conducting activities within the Provincial Right-of-Way
- provide core land management and administration for all government lands and holdings and real estate services on behalf of all government departments
- provide land and engineering surveying services for the Department and other government agencies, provide expertise on boundary law and the law on public roads and maintain the Provincial cadastral infrastructure.

General activities and specific projects carried out by each section are summarized below.

ENVIRONMENTAL MANAGEMENT SECTION

The Department's Environmental Management Section (EMS) is responsible to ensure environmental management and regulatory compliance during construction and maintenance work performed by the Department, or by others, within the Provincial Right-of-Way (ROW). The Section implements an Environmental Management System that includes the following key elements: departmental project approval process; environmental protection planning; project inspections and compliance monitoring; environmental education and training; environmental design and planning; policy/program development; environmental assessments and studies; and, public consultation and public partnering projects. Highlights of the Section's activities are provided below.

PROJECT REGISTRATION AND APPROVAL PROCESS

The Department's approval process remains the cornerstone for environmental control on a project-by-project basis. This process requires that each maintenance or construction project, or any work activity by others within the Provincial ROW, be registered with the Environmental Management Section (EMS) through submission of a project application form and/or with a site meeting. Subsequently, the proposed projects are inspected and assessed for potential environmental effects, and an approval-to-proceed is issued, complete with project specific conditions-of-approval. All field staff working within the Environmental Management Section are designated as Environmental Protection Officers under the *PEI Environmental Protection Act*. All approvals issued by the EMS are issued under authority of the self-permitting agreement that has been developed between the Department of Transportation and Infrastructure Renewal and the Department of Environment, Labour and Justice (DELJ).

Project Approvals
The EMS issues four types of project approvals. The type of approval issued is based on assessment of the environmental risk associated with the project, the time of year, and the method in which the project will be completed.

The four types of project approvals are:

- Blanket Approval
- Field Approval
- Approval-to-Proceed
- Approval-to-Proceed with accompanying Watercourse, Wetland or Buffer Zone Activity Permit issued by DELJ

The Section processed 297 environmental assessments/project approvals during 2013/2014, including 219 field approvals. A summary of the 297 approvals issued during the year is provided in the table below. They are categorized by county and approval-type. Typically, each approval involves a pre-construction project site inspection, identification of job-specific conditions-of-approval, issuance of the approval-to-proceed, and follow-up environmental compliance inspections on each project.

2013 Environmental Management Section Project Approvals

County	Blanket Approval	EMS Approval (only)	EMS Field Approval	EMS Approval & DELJ Permit	Total
Prince	6	4	65	3	78
Queens	6	32	62	12	112
Kings	6	6	92	3	107
Province	18	42	219	18	297

Blanket Approvals

Across the Province, the Department conducts several activities that are repetitive in nature with low potential for causing adverse environmental effects. To simplify the approval process for these types of activities, the activities have been grouped by activity-type and each activity-type has been assigned a blanket approval with standardized conditions-of-approval. Generally, a blanket approval provides authorization for multiple projects of the same activity-type to be completed under a district by county-based approval.

EMS now issues blanket approvals to the Department's Highway Maintenance Division, Bridge Maintenance Section, Capital Projects Division, Confederation Trail Program, as well as Canada Post and Maritime Electric. The issuing of these approvals streamlines the project registration and approval process, while at the same time, maintaining established standards of environmental protection. A summary of projects completed in each county during 2013/2014 for the various blanket approval types is provided in the following table.

2013 Blanket Approval Summary

Blanket Approval Type	Number of Blanket Approval Projects Completed			
	Kings County	Queens County	Prince County	Provincial Total
Millings, gravel and/or asphalt placement	16	21	7	44
Road bump installations	0	1	0	1
Shore access	0	2	7	9
Maintenance of environmental controls	31	23	24	78
Guardrail reinstatement (with shoulder work)	17	20	9	46
Confederation Trail surface and slope repairs	5	9	0	14
Confederation Trail vegetation management	0	14	0	14
Ditching	17	18	36	71
Brush cutting	116	66	94	276
Timber pile bridge minor repair	2	2	0	4
Unpaved road improvements with/without ditching (within 30 m of Watercourse/Wetland)	41	12	24	77
Surface water cross culvert replacement	9	4	20	33
Repair, increase or replace stabilization materials at Watercourse/Wetland	0	6	12	18
Maintenance of provincial tap drains	2	1	5	8
Repair/replace timber floors	0	3	3	6
Shoulder grading/planing & material placement	19	79	24	122
Box, arch and round culvert maintenance	0	0	2	2
Road re-construction incl. widening of shoulders and/or addition to turning lanes	0	0	2	2
Debris removal from structures	0	1	2	3
Asphalt overlay	3	15	33	51
Total blanket approval projects	**278**	**297**	**304**	**879**

Field Approvals
The field approval enables a project proponent to receive an approval-to-proceed from the EMS Environmental Officer at the initial site meeting, with no additional paperwork or submission requirements. Most projects that receive a field approval have a greater potential for causing environmental impacts than those projects that would receive an EMS Approval-to-Proceed. In 2013/2014, 219 field approvals were issued.

EMS Approval-to-Proceed

The EMS Approval-to-Proceed permit allows our Environmental Management Section to issue approvals for projects that present a higher degree of environmental risk. Each proposed project is subject to an application process that provides a departmental Environmental Officer with an opportunity to review the project, workplan, timeframe, assess the potential impacts, and develop a set of conditions to be followed. In 2013/2014, 42 EMS Approval-to-Proceed permits were issued.

EMS Approval-to-Proceed with Department of Environment, Labour and Justice (DELJ) Watercourse, Wetland, or Buffer Zone Activity Permits

Projects which are approved under the EMS Approval-to-Proceed with DELJ Watercourse, Wetland, or Buffer Zone Activity permits are subject to review by EMS, the Department of Environment, Labour and Justice and, in some circumstances, Fisheries and Oceans Canada. These types of projects include activities which are considered to be of significant risk to the environment. Similar to the EMS Approval-to-Proceed permit, projects approved under this type of permit are subject to an application process, which involves a review of the project, workplan, timeframe, and an assessment of the potential environmental impacts. Upon completion of the review, an approval with specific conditions is issued. In 2013/2014, 18 EMS Approval-to-Proceed with DELJ Watercourse, Wetland, or Buffer Zone Activity Permits were issued.

Environmental Audit Results

A joint end-of-construction season environmental audit was conducted in the Fall of 2013 with representatives from the EMS, the Department of Environment, Labour and Justice and Fisheries and Oceans Canada. Twenty-eight projects were audited from across the Province. The audit results, which rate project compliance with assigned conditions-of-approval, conclude that TIR projects conducted in the 2013 construction season met their associated environment requirements. This rating is consistent with the Department's environmental performance for previous years, indicating consistently strong environmental performance by the Department, with opportunities for improvement, training and ongoing communication.

MISCELLANEOUS INITIATIVES AND SERVICES

The EMS is involved with completing or coordinating a variety of additional environmental initiatives/services. Some of the more notable are described below:

Training Delivered

In 2013/2014, EMS staff coordinated environmental management round-table discussion sessions with several TIR divisions. The topics of these sessions included TIR environmental policies and procedures, changes to the *Environmental Protection Act*, as well as the installation of proper environmental controls and activities such as in-stream culvert work, ditching, etc. EMS staff also made presentations to staff with the Highway Maintenance Division and Confederation Trail Program at Spring Orientation sessions.

Policy and Program Development

The EMS develops and/or administers various departmental policies and programs to assist in providing structured implementation of departmental objectives and activities. The policies ensure that a consistent and clear approach to specified activities is understood and followed by the Department, as well as external agencies or persons such as engineering consultants, contractors or municipalities performing these same activities within the Provincial Right of Way (ROW).

Programs

- Adopt-A-Highway Program
- Agricultural Siltation into ROW
- Environment Fund Program
- Fish Passage Restoration Program
- Environmental Audit Program
- Joint Beaver Management Program with DELJ
- Duty to Consult Operational Protocol

Policies

- Highway-Related Beaver Management
- Seeding Policy
- Fuel Spill Response Procedures
- Water Well Replacement Policy
- Wetland Conservation Policy
- Culvert Sizing Policy
- Approval-to-Proceed Renewal/ Modification/Extension Policy

Designated Scenic Heritage Roads

The EMS implements a Management Strategy for Designated Scenic Heritage Roads (DSHR). The strategy recognizes that the historical and aesthetic value of the DSHR are best protected through limited disturbance and change, and provides a practical guide for implementation of cost-effective protection methods to maintain the heritage of these unique roads and their surrounding sensitive environments, including watercourses. Designation and administration responsibilities for scenic heritage roads are outlined in the *Roads Act*. The EMS ensures best management and minimal disturbance of the DSHRs through reviewing and approving work undertaken on these roads in consultation with a provincial wildlife biologist. By county, the DSHRs are: Prince County: Walls Road, Hackney Road; Queens County: Millman Road, Old Princeton Road, Warburton Road, Perry Road, Jacks Road, Junction Road and the Klondyke Road; Kings County: Mellish Pond Road and County Line Road.

Agriculture-Related Work

In an effort to control the potential effects of agriculture-based projects on the Provincial ROW, the EMS established a protocol with the provincial Agriculture Department that requires their identification of proposed projects through submission of Project Registration Applications to the EMS. The EMS then coordinates onsite project assessments with Agriculture representatives to identify and resolve any department-related issues including methods to avoid ROW impacts, cost responsibility for any associated department work, restoration requirements for affected ROW areas, etc.

Agricultural Encroachment on ROW

Each year, provincial ROWs are significantly impacted by agricultural operations in a number of locations across the Province. These impacts include: excessive stormwater flow being directed into the ROW; eroded sediment depositing in ditches and culverts; liquid manure flowing into ditches and culverts; and, vegetable processing wash water being directed into ditches and culverts. EMS staff identify these encroachments, gather applicable information and forward a complaint to the Agriculture Department who, in turn, work with the land owner and TIR to rectify the problem.

Adopt-a-Highway Program

Building on the success of the Federated Women's Institute Annual Roadside Cleanup, this Program enables Islanders to expand their efforts to combat roadside litter. The EMS, with the assistance of the Environment Department, developed the Adopt-a-Highway Program and coordinates implementation of the program for the Province. Businesses, community groups and organizations can adopt a minimum five kilometre section of Island roadway and agree to conduct a Fall and Spring cleanup each year.

Fish Passage Restoration Program

The EMS and the Highway Maintenance Division continue to work with local watershed groups from across the Province, the Atlantic Salmon Federation, and the Department of Environment, Labour and Justice, to identify and repair fish passage barriers at highway culverts.

Environmentally-based Community/Public Partnering Projects

The EMS annually coordinates the Department's involvement in a variety of environment-related community/public partnering initiatives that enhance the environment or provide environmentally beneficial results for the general public. These requests for assistance typically involve work that can be grouped into four categories: sediment control; fish passage restoration; erosion control; and community access. Department work may involve in-kind provision of materials or services by the EMS and the Highway Maintenance Division. The EMS worked with 20 local community and watershed-based groups in 2013/2014, to coordinate the completion of more than 43 watershed-based improvement projects.

Beaver Management

The EMS coordinates a Beaver Management Program, consistent with the Department's Beaver Management Policy, developed to address the problem of highway culverts frequently being obstructed by beaver activity. During the period of May-November, three Beaver Management Workers (BMWs) are hired to proactively identify and address road-related beaver problems across the Province, using the preferred management method of "by-hand" restoration. This program is a cooperative cost-shared program between the EMS and the Forests, Fish and Wildlife Section of the Department of Agriculture and Forestry. The cost of hiring the BMWs is small compared to the potential cost of responding to emergency events such as floods and washed-out roadway culverts caused by beaver activity, as well as potential damage to surrounding property and aquatic ecosystem. The BMWs identified and managed beaver problems at 157 sites in 2013/2014.

Committee Participation

The EMS represents the Department on a number of inter-governmental and external committees. The following is a list of some committees that the EMS has participated on:

- Bonshaw Hills Public Lands Sub-Committee
- Upton Farm Trust Committee
- Provincial Land Use Coordinating Committee
- Provincial Government Climate Change Committee
- Natural Areas Protection Act Committee
- Transportation Association of Canada (TAC) Road Salt Working Group
- Transportation Association of Canada (TAC) Environment Council
- Provincial Environmental Assessment Review Committee
- Information Technology Committee
- Litter Awareness Committee
- Stanley/Hope River Watershed Stewardship Committee

Regulatory Approvals and Environmental Assessments

On behalf of the Department, the EMS acquires project approvals from external federal and provincial regulators, and coordinates the completion of Federal assessments/screenings for larger capital projects. The common types of approvals acquired include *Navigable Waters Protection Act* (NWPA) Approvals, Harmful Alteration, Disruption or Destruction (HADD) of fish habitat authorizations, Environmental Screenings under the *Canadian Environmental Assessment Act* (CEAA), and Watercourse/Wetland Alteration Permits.

NWPA Approvals

Administered by Transport Canada, NWPA approvals are acquired primarily for the Department's bridge replacement projects, and are intended to ensure that the public's right of navigation is protected from works which might interfere with navigation. The NWPA approval process includes submission of an application with project design plans and a project-specific environmental assessment (CEAA Screening), public advertisement of the project, and stakeholder consultations. The EMS submitted the NWPA application and coordinated associated requirements of the approval process for the Miminegash Bridge replacement.

CEAA Screenings

Projects that involve federal funding, or have a federal department designated as the lead regulating agency, often require submission of a *Canadian Environmental Assessment Act* Environmental Screening Report for review and approval. Recent changes to CEAA may reduce the need for environmental screenings for TIR projects.

PROPERTIES SECTION

General Activities

The Properties Section is responsible for the provision of real estate services on behalf of all government departments in regards to the ownership of provincial properties. Examples of the types of real estate services that are commonly provided are as follows:

- Appraisals
- Acquisitions
- Disposals
- Negotiations
- Marketing
- Leasing
- Building Demolitions
- Expropriations
- Title Research
- Paralegal Services
- Consulting
- Property Management
- Public Tenders
- Public Relations

Real estate services are also provided to other government agencies such as the English Language School Board, Health PEI, PEI Energy Corporation, Island Waste Management Corporation, PEI Liquor Control Commission, Charlottetown Area Development Corporation, Innovation PEI, as well as the Museum and Heritage Foundation, Holland College, municipalities and other local development corporations formed to promote economic growth outside the larger municipal centres.

The Properties Section maintains a computer-based filing system (Land Information Management System - LIMS) capable of tracking property inventory, lease renewals, rental payments, properties acquired, sold and leased, production of reports pertaining to provincial land inventory and recording of requests received regarding provincial lands.

Staff members participate on various government committees including the Land Use Coordinating Committee, Provincial Land Review Sub-committee, *Natural Areas Protection Act* Technical Advisory Committee, Resource Land Acquisition Fund Committee and the Rail Land Review Committee.

As of March 31, 2014, there were approximately 2,061 essential properties (totalling 96,478 acres) and 101 surplus properties (totalling 589 acres) held in provincial ownership and under the management of various government departments. For the period April 1, 2013 to March 31, 2014, the Properties Section received 339 inquiries related to provincial property matters.

Property Leases - April 1, 2013 to March 31, 2014

For the period April 1, 2013 to March 31, 2014, there were 93 lease agreements on 110 provincial properties (1,409 approximate acres) generating a revenue of $62,228.00 for this period.

In addition, there were an additional 278 lease or licence agreements on 519 provincial properties that are not revenue generating, i.e., leased to communities or nonprofit organizations for a nominal sum. This number also represents licences to complete activities on the Confederation Trail and within the road right-of-way when approved by the appropriate authority.

Property Acquisitions (Not RLAF) - April 1, 2013 to March 31, 2014

Parcel	Location	Acreage	Amount	Notes
14852	Central Kildare	120.00	$ 275,000	Acquired for shore line protection and future road re-alignment.
930693	Wellington Centre	110.00	$ 150,000	Acquired on behalf of IWMC.
176636	Orwell	0.00	$ 0	Property was acquired on behalf of the PEI Museum and Heritage in 2002. Entry is to record release of life interest.

Parcel	Location	Acreage	Amount	Notes
177238	West St. Peters	140.00	$ 640,000	Court ordered settlement to resolve boundary dispute resulted in a Memorandum of Settlement and property acquisition.
133983	Brackley	33.00	$ 315,144	Acquired for proposed new Government Garage.
133868	Brackley	56.00	$ 534,856	Acquired for proposed new Government Garage.
49973	Alaska	72.00	$ 10,000	Acquired in partnership with EHJV - Ducks Unlimited.
438622	Brooklyn	0.00	$ 5,000	TIR Capitals's contribution for property acquired for shore access and Cascumpec Bridge replacement project.
361584	Charlottetown	0.15	$ 0	Property escheated to the Province.
882738	Hazelbrook	15.49	$ 0	Acquired on behalf of the Department of ELJ.
Total	**10 Properties**	**546.64**	**$1,930,000**	

Property Acquisitions (RLAF) - April 1, 2013 to March 31, 2014
(RLAF - Resource Land Acquisition Fund)

Parcel	Location	Acreage	Amount	Notes
49973	Alaska	72.00	$ 5,000	Acquired in partnership with EHJV - Ducks Unlimited with title to be held by the Province. RLAF paid $5,000.00, EHJV -DU paid $10,000.00
131458	Blooming Point	75.30	$ 150,000	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division.
438622	Brooklyn	9.60	$ 135,000	Acquired in partnership with the Department of Fisheries, Aquaculture & Rural Development for shore access and Cascumpec Bridge replacement project. RLAF paid $135,000.00 and TIR Capital paid $5,000.00.
1066083	Monticello	31.00	$ 10,000	Acquired for the Department of Agriculture and Forestry, Forests, Fish and Wildlife Division.
Total	**4 Properties**	**187.90**	**$ 300,000**	

Easements Granted - April 1, 2013 to March 31, 2014

Parcel	Location	Acreage	Amount	Notes
440149	Dunstaffnage	0.16	$500 +$300 Admin. Fee	Easement granted for an overhead wire crossing.
825927	Charlottetown	0.14	$500 +$300 Admin. Fee	Easement granted for public access.
261578	Wellington Station	0.19	$ 0	Easement granted for a parking area in exchange for acquiring an easement to relocate a portion of the CNR Trail.
Total	**3 Properties**	**0.49**	**$ 1,600**	

Easements Acquired - April 1, 2013 to March 31, 2014

Parcel	Location	Acreage	Amount	Notes
877217	Wellington	0.19	$ 0	Acquired easement to relocate a portion of Confederation Trail in exchange for granting an easement for parking area.
159947	New Perth	0.02	$ 0	Acquired easement for drainage.
221887	Central Bedeque	0.14	$ 2,000	Acquired easement for tap drain.
221812	Central Bedeque	0.05	$ 0	Acquired easement for tap drain.
458927	Stratford	0.09	$ 0	Acquired easement for storm water drainage.
678961	Brudenell	2.07	$ 3,000	Acquired easement for storm water drainage.
398057	Mermaid	0.07	$ 0	Acquired easement for storm water drainage.
660704	Mermaid	0.58	$ 0	Acquired easement for access and culvert maintenance.
104646	Souris	0.31	$ 0	Acquired easement for tap drain.
159657	New Perth	0.02	$ 0	Acquired easement for drainage.
825844	Ten Mile House	0.19	$ 0	Acquired easement for tap drain for road drainage purposes.
471052	Ten Mile House	0.19	$ 0	Acquired easement for tap drain for road drainage purposes.
118505	Souris West	0.04	$ 0	Acquired easement for drainage of the Sheep Pond outlet.
508796	Darnley	0.20	$ 1,500	Acquired drainage easement for ditch along edge of Flag Pond Road.

Parcel	Location	Acreage	Amount	Notes
165712	Brudenell	0.77	$ 5,000	Acquired easement for tap drain.
141994	Grand Tracadie	0.07	$ 3,000	Acquired easement for site distance.
735571	Souris West	0.08	$ 0	Acquired drainage easement for the outlet for Sheep Pond Road.
118471	Souris West	0.04	$ 0	Acquired easement for drainage of Sheep Pond.
1025865	Stratford	0.17	$ 0	Acquired easement for drainage of Harvest Drive in Kinlock Creek Subdivision.
1025865	Stratford	0.15	$ 0	Acquired easement for drainage of Larkspur St. in Kinlock Creek Subdivision.
912543	Baie-Egmont	0.44	$ 0	Acquired open tap drain easement for drainage on Route 127.
662874	Miminegash	0.47	$ 500	Acquired easement for tap drain.
328898	Stratford	0.05	$ 3,300	Acquired easement for storm water drainage.
1044650	Charlottetown	0.11	$ 0	Acquired easement to construct sound berm.
1044668	Charlottetown	0.08	$ 0	Acquired easement to construct sound berm.
1046317	Charlottetown	0.24	$ 0	Acquired easement to construct sound berm.
479972	Montague	0.01	$ 0	Acquired underground pipe easement.
98343	Emerald	0.04	$ 0	Acquired easement for storm water drainage.
450213	Launching	0.12	$ 0	Acquired easement to access pond outlet.
450213	Launching	0.08	$ 0	Acquired easement for drainage of pond outlet.
863282	Miscouche	0.13	$ 0	Acquired easement for vehicle turning area.
863282	Miscouche	0.20	$ 0	Acquired easement for storm water drainage.
197004	Montague	0.02	$ 0	Acquired easement for storm water drainage.
114710	St. Margarets	0.02	$ 0	Acquired easement to access Gillis Pond outlet.
994699	West St. Peters	0.60	$ 0	Acquired easement for public Right-of-Way.
Total	**35 Properties**	**8.04**	**$ 18,300**	

Disposals for Highways - April 1, 2013 to March 31, 2014

Parcel	Location	Acreage	Amount	Notes
178269	Bristol	0.48	$ 0	Conveyed property for driveway relocation due to re-alignment of Route 2.
178319	Bristol	0.34	$ 0	Conveyed property for driveway relocation due to re-alignment of Route 2.
642942	Foxley River	0.90	$ 1,200	Portion of old road bed closed and conveyed to adjacent property owner.
82248	Wilmot Valley	0.00	$ 0	Deed of rectification registered to correct the road closure certificate in the previous deed.
163386	Roseneath	0.07	$ 0	Portion of old road bed closed and conveyed to adjacent property owner.
163386	Roseneath	0.00	$ 0	Portion of old road bed closed and conveyed to adjacent property owner.
204404	Long Creek	1.45	$ 0	Portion of old road bed closed and conveyed to adjacent land owner via land exchange in conjunction with Rte. 19/ Rte. 9 re-alignment.
148411	Pisquid East	1.38	$300 Admin. fee	Portion of old road bed closed and conveyed to adjacent property owner.
148437	Pisquid East	0.02	$300 Admin. fee	Portion of old road bed closed and conveyed to adjacent property owner.
816082	Pisquid East	0.25	$300 Admin. fee	Portion of old road bed closed and conveyed to adjacent property owner.
231241	Mayfield	0.10	$ 500	Portion of old road bed closed and conveyed to adjacent property owner.
719492	Stanley Bridge	1.11	$ 0	Portion of old road bed closed and conveyed to adjacent property owner.
Total	**12 Disposals**	**6.10**	**$ 2,600**	

Acquisitions for Highways - April 1, 2013 to March 31, 2014

Parcel	Location	Acreage	Amount	Notes
283804	Hunter River	0.25	$ 145,000	Acquired to eliminate flooding risks associated with the property.
140160	Marshfield	0.69+house +outbuilding	$ 180,200	Acquired for re-alignment of Route 2/ Route 25.
244160	Commercial Cross	1.50+2 dwellings	$ 13,200	Acquired for future road re-alignment.

Parcel	Location	Acreage	Amount	Notes
289637	Stratford	2.24 acres	$ 0	Acquired for new subdivision street.
207084	Hampton	0.26+house +buildings	$ 62,000	Acquired for future road widening.
776856	Grand Tracadie	0.05	$ 0	Acquired for re-alignment of Rink Road/ Route 6.
210047	Cape Traverse	0.17	$ 10,000	Acquired to construct a turning area at the end of Central Street.
379586	Long Creek	0.03	$ 0	Property acquired via land exchange for re-alignment of Rte. 19A and Rte. 9 intersection.
682302	Darnley	0.26	$ 1,000	Acquired for widening of Flag Pond Road.
895513	Darnley	0.45	$ 1,000	Acquired for widening of Flag Pond Road.
218800	Bonshaw	2.10	$ 12,200	Acquired for TCH re-alignment (Gateway).
1027531	North Rustico	1.43	$ 0	Acquired for new subdivision street.
67132	Summerside	0.63	$ 32,000	Acquired for new roundabout at the intersection of Route 2, Slemon Park Drive and West Drive.
163394	Roseneath	0.06	$ 1,000	Acquired for roundabout at Pooles Corner.
233809	North Rustico	1.51	$ 25,000	Acquired for widening of Timber Lane.
236661	North Rustico	2.03	$ 2,000	Acquired for widening of Timber Lane.
102542B	North Rustico	0.02	$ 1,000	Acquired for widening of Timber Lane.
735571	Souris West	1.54	$ 0	Acquired for public road purposes.
379297	Searletown	0.72	$ 5,000	Acquired vacant residential lot located on the corner of Route 112 and Gallagher Road.
118471	Souris West	0.60	$ 0	Acquired for public road purposes.
615757	Riverdale	0.82	$ 15,000	Acquired for TCH re-alignment (Gateway).
219279	Riverdale	0.96+house +outbuilding	$ 140,000	Acquired for TCH re-alignment (Gateway).
867416	Desable	1.26	$ 0	Property acquired via land exchange for re-alignment of Rte. 19 and Rte. 1 in Desable.
508788	Darnley	0.07	$ 1,500	Acquired for widening of Flag Pond Road.
163816	Roseneath	1.45	$ 3,000	Acquired for Pooles Corner Roundabout.
219139	Riverdale	2.20+house +cottage	$ 212,000	Acquired for TCH re-alignment (Gateway).

Parcel	Location	Acreage	Amount	Notes
218636	Bonshaw	0	$ 89,595	Expropriated settlement TCH re-alignment (Gateway).
1055193	Northport	0.07	$ 0	Area acquired for road encroachment on private property.
Total	**28 Properties**	**23.37**	**$ 1,070,495**	

Property Disposals (Not RLAF) - April 1, 2013 to March 31, 2014

Parcel	Location	Acreage	Amount	Notes
361584	Charlottetown	0.15	$ 0	Release of escheated interest.
633321& 41228	O'Leary	0.46	$ 47,500	Disposed of property through public tender.
591636	Central Kildare	4.97	$ 0	Conveyed for camp purposes.
852228	Clyde River	0.81 + house	$ 125,000	Property was acquired in 1999 for the Cornwall Bypass. Property sold to Lessee.
469999	Desable	0.92	$ 0	Disposed of property via land exchange for re-alignment of Rte. 19 and Rte. 1.
45674	West Point	0.36	$ 0	Conveyance to rectify title issue.
532499	Wellington Centre	60.00	$ 50,000	Property conveyed to IWMC.
930693	Wellington Centre	110.00	$ 150,000	Property conveyed to IWMC.
65672	Wellington Centre	308.00	$ 60,000	Property conveyed to IWMC.
65664	Wellington Centre	84.00	$ 2,000	Property conveyed to IWMC.
65714	Wellington Centre	72.00	$ 60,000	Property conveyed IWMC.
Total	**11 Disposals**	**641.67**	**$ 494,500**	

THE OFFICE OF THE PROVINCIAL CHIEF SURVEYOR

This Office provides land surveying services and counsel on legal and technical aspects related to land surveying and maintains a close working relationship with the Properties, Capital Projects, Maintenance, Building Design and Construction sections of the Department. Expertise and services are also provided to other departments including Environment, Labour and Justice, Finance, Energy and Municipal Affairs, Agriculture and Forestry and Tourism and Culture; to government agencies and boards; community groups, as well as the greater legal, engineering and land surveying community throughout the Province.

The following are essential functions of the Section:

- provide timely, comprehensive and efficient land and engineering surveying services on public roads and provincial lands;
- provide counsel and regulate surveys completed under the *Natural Gas Act* and *Mineral Resources Act*;
- collect evidence and provide counsel on the tenure (public or private) of particular roads, rights-of-ways and public easements in the Province;
- maintain and manage the provincial control survey networks and provide technical assistance to various GNSS/GIS users on the provincial datum and mapping plane;
- maintain a library of documentary evidence and case law related to land tenure and surveying in Prince Edward Island and other provinces;
- coordinate survey training sessions and develop standards for engineering and legal surveying crews within the Department, as well as coordinate and implement quality control standards for the collection of engineering surveying data to ensure accuracy and reliance sufficient to exceed high engineering design standards; and
- provide a mechanism for the equitable resolution of boundary uncertainties

Staff members are specifically trained in land surveying and particularly in the collection and assessment of boundary evidence. Staff currently consists of one Professional Land Surveyor/Professional Engineer, two geomatics technicians, a research technician, a research/administrative support clerk and two survey crews.

In the past year, approximately 76 files have been created in this section, consisting of road status requests, right-of-way and easement acquisitions, and legal and topographic surveys.

Public Roads
In the past year, the Office has opened approximately 31 files relating to road width and status inquires. Disputed public roads continue to consume a major portion of the Section's resources. Often at issue is the existence of a public road leading to the shore that is not visible on the ground, nor shown on the Provincial Highway Atlas.

Resources are now more dedicated towards gathering the appropriate information required to defend the tenure of the non-essential roads than the roads that are either classified and/or accepted into our network of maintained public roads. The Section will be working towards resolving this imbalance.

Through ongoing research associated with individual requests regarding public roads, the Office has become more knowledgeable in the historic land tenure process associated with the development of the Province's road infrastructure. In the next few years, this information will be made into a searchable document that would reduce the time required to resolve road status uncertainty.

Legal Surveys
In the past year, the Office has undertaken a number of legal surveys. The majority of the legal surveys have been prepared either for road acquisitions such as lands for new roundabouts, highway widening, and intersection re-alignment, or for highway drainage easements through private lands.

Additional surveys have been undertaken by the Office to facilitate the design and expansion of elementary schools, provincial manors, and general government facilities. These surveys generally include both the legal component of a boundary survey, together with the associated engineering surveys required for site design.

Surveys for the intersections that were re-aligned as part of the Trans Canada Highway through New Haven, Churchill and Bonshaw have been carried out, as well as for the disposal of surplus lands acquired as part of this project.

The Hermanville Windfarm project has been completed. One thousand six hundred (1,600) acres of Provincial lands have been surveyed, with approximately 25 kilometers of property boundaries cut, marked and pinned. Rights-of-ways for accesses and leases for the wind turbine sites have also been identified.

Surveys for the re-alignment of the Trans Canada Highway at Tryon have been started and will be completed in the next fiscal year.

Provincial Survey Reference System
Work is still proceeding on the installation of the new GNSS-based active control network. This Office is coordinating the efforts of ITSS and Leica Geosystems to bring the eight new control stations online. The final communication parameters are being worked out. As well, additional hardware was purchased to resolve issues with the sites at Ellerslie, Westisle, and Borden. The new addition to the Souris High School resulted in this Office having to determine a new location on the school for the GPS antenna and mount. Arrangements are being made to move it in the upcoming fiscal year. The system should be fully operational within the next fiscal year, and final coordinates for the eight stations will be determined. Once tested and fully operational, this reference system will replace the existing system of survey monuments and all future surveys done in the Province are to be referenced to this system.

Legislation
Work is proceeding on proposed revisions and amendments to the *Land Survey Act*. Government, in conjunction with this Office, and the Association of Prince Edward Island Land Surveyors, have formed a working committee to propose/advise and give rationale for changes to the Act which will then be forwarded on to the Deputy Minister to present to Legislative Council for consideration.

CAPITAL PROJECTS DIVISION

CHIEF ENGINEER'S REPORT

The Capital Projects Division is responsible for the planning, design, construction and reconstruction of the Province's highways and bridges. This includes the associated tasks of data collection, surveying, mapping, materials testing, traffic engineering and bridge maintenance.

The responsibilities for planning, surveying, construction, and reconstruction, come under the direction of the Chief Engineer with assistance from two Regional Engineers. The Chief Engineer's office is located in Charlottetown. The main offices for the Eastern Region are located in Charlottetown and Georgetown. The Western Region offices are located in Charlottetown and Slemon Park.

Traffic operations and subdivision development is directed by the Traffic Operations Engineer, located in the Charlottetown office. The two regions are managed by two Traffic Operations Managers, one working out of both Charlottetown and Georgetown, and one working out of Slemon Park that is also responsible for the Provincial Sign Shop in Tignish.

The design of highways and bridges is managed from the Charlottetown office, as is the project management of bridge construction and maintenance. The structural highway design and testing of construction materials is managed from the Highway Testing Laboratory in Mt. Stewart, with additional testing facilities at the Slemon Park location.

Planning within Capital Projects emphasized the need for: completing work early in the Fall under favorable weather conditions; tendering the work in larger projects to improve quality control; and the reduction of overall construction costs. The emphasis to improve the safety and widening of Route 2 was completed during the last construction season. The Department's emphasis is now on improvements to the Trans Canada Highway and the continuation of dedicating more resources to bridge replacement. The total Capital highway and bridge expenditures for FY2013-2014 was approximately $38,410,200. The Department's Bridge Maintenance expenditures are covered under the ordinary budget accounts. The New Deals for Cities and Communities Projects included 18 different projects, such as Miminegash Bridge, Route 2 Winsloe / Milton Station, Cornwall Ferry Road Bridge, Pleasant Grove Road / Route 25.

The Atlantic Gateway and Border Crossing Projects included: Route 1 Trans Canada Highway Re-alignment Pre-

Cast Structure Supply; Route 1 Trans Canada Highway Re-Alignment Bonshaw; and, Route 1 Trans Canada Highway Re-alignment New Haven.

Once again, the Capital Budget for Highways and Bridges was approved in the Fall session of the Legislature. This enabled the Department to plan and tender contracts earlier for the coming year's road and bridge programs. This was a great benefit to the Capital Projects Division and also the PEI Road Builders and Heavy Construction Association, as contractors can plan in advance for the upcoming construction season.

Highways and Bridges

Capital highway projects are administered by the two Regional Engineers. They review the deficiencies of the highway system and plan for the upcoming years using the Department's 5-Year Road Program, considering safety, traffic volumes, surface conditions, truck traffic and other departmental and public concerns relative to each project. The selected projects are surveyed and designed with input from environment, traffic, properties, surveys, materials lab and municipal personnel, as required. The regional staff prepare cost estimates and tenders, review tenders, award contracts, administer the contract, evaluate the work, record contract quantities, prepare payments, identify deficiencies to be corrected, and approve the final product. The highway projects include those cost-shared with Infrastructure Canada through the New Deals for Cities and Communities funding and the Atlantic Gateway and Border Crossings funding.

Capital bridge projects are administered by the staff of the Bridge Section. The bridge inspection initiative continues to have both department and consultant engineers inspect all large bridge structures on PEI every two years. They review the deficiencies of the bridges and plan for the upcoming years considering safety, traffic volumes, structural condition, truck traffic and other departmental and public concerns relative to each project. Design and contract administration are similar to highway projects.

Weigh Scale Contract Quantities

The Capital Project staff, along with assistance from our Highway Safety Division, are responsible for ensuring current and accurate totals of all materials which are paid by weight or volumes on all highway construction projects. Training and quality control supervision is provided to all district checkers, data collectors, weighers and checkers.

Scale site activities are reviewed in conjunction with Measurement Canada and Highway Safety Division to ensure that there is compliance to the *Federal Weights and Measures Act*, the *Roads Act Vehicle Weight Regulations*, and the *General Provisions and Contract Specifications for Highway Construction*.

The Section provides data entry of material tickets for progress payments on all highway construction and bridge projects. The material tickets information is entered into the Construction Analysis and Tracking System (CATS), which is designed to assist the capital and maintenance staff in managing their highway projects. The same activities are followed to maintain the records of the winter sand contracts for the Highway Maintenance Division.

Subdivision Development

Subdivisions continue to be built by private developers who are responsible for the surveying, construction, testing and deeding of the new streets to the Province. Department staff work with the developers and provincial or municipal planners to prepare a design with an acceptable roadway, stormwater management plan, and utility services. An agreement is then signed between the three parties identifying responsibilities, costs, and scheduling. The developer deeds the right-of-way to the Province at such time as the conditions of the agreement are satisfied.

Provincial Subdivisions 2013-2014

Subdivision Name Location	SD #	Street Names	Length (km)	Grade	Gravel	Base	Seal	To be Sealed	New Pavement
QUEENS COUNTY									
Clearview Estates Subdivision Stratford	250	Brookside Drive	0.40	0.40	0.40	0.40	0.00	0.40	0.40
Clifton Farms Subdivision Stratford	756	Stagman Way/ Birchwoods Ln	0.47	0.47	0.47	0.47	0.00	0.47	0.47
Kinlock Creek Subdivision Stratford	676	Saint Crescent	0.50				0.50	0.00	0.50
Eugene Doyle Subdivision Pleasant Grove Road	835	Maggie Lane	0.89	0.82	0.82	0.82	0.89	0.07	0.89
Harvest Hills Subdivision Cornwall	851	Mercedes/ Miah Drive	0.66	0.66	0.66	0.66	0.66	0.00	0.66
Summer Street Extension North Rustico	846	Summer Street	0.33	0.33	0.33	0.33	0.33	0.00	0.33
Provincial Totals			**3.25**	**2.68**	**2.68**	**2.68**	**2.382**	**0.938**	**3.25**

SCHEDULE OF HIGHWAYS & BRIDGES TENDERS RECEIVED (April 1, 2013 - March 31, 2014)

Cornwall Bridge - Ferry Road - April 4, 2013	
Highfield Construction	$334,345.00
Noye & Noye	$349,127.00
HR Civil	$378,753.00
Central Prince Contracting	$392,698.70
Birt & MacKay	$395,460.13
Gaudette's Transit Mix	$409,036.50

St. Ann's Bridge (Invited) - April 11, 2013	
Birt & MacKay	$476,570.00
Island Coastal Services Ltd.	$327,769.16
Highfield Construction	$331,647.00
Noye & Noye	$334,736.00
Central Prince Contracting	$356,961.00
Gaudette's Transit Mix	$476,570.00

Route 1 - Desable - May 2, 2013	
Island Construction	$830,897.10
Island Coastal Services Ltd.	$865,180.35
Curran & Briggs	$883,495.40

Route1 - Alberton - May 2, 2013

Curran & Briggs	$195,935.50
AJL	$196,395.00
Noye & Noye	$208,990.00
Island Coastal Services	$223,998.30

Summer Street - May 2, 2013

Island Coastal Services Ltd.	$253,600.27
Birt & MacKay	$288,929.56
AJL	$290,989.00
Island Excavators	$309,965.65
Duffy Construction	$317,304.00

Timberlane - May 2, 2013

Central Roadways	$232,786.00
Curran & Briggs	$234,223.50
Island Excavators	$238,369.00
AJL	$242,169.00
Island Coastal Services Ltd.	$242,688.25
Birt & MacKay	$252,920.20
Duffy Construction	$262,764.00

Canoe Cove Bridge -May 2, 2013

Noye & Noye	$250,253.50
Highfield Construction	$255,421.00
Central Prince Contracting	$266,431.00
HR Civil	$269,699.00
Gaudette's Transit Mix	$289,199.00
Birt & MacKay	$295,189.81

Marie Bridge - Structure Replacement - July 25, 2013

Highfield Construction	$1,306,696.00
Noye & Noye	$1,636,171.61

Kentyre Bridge Road - Structure Replacement- August 22, 2013

Central Prince	$266,955.25
Noye & Noye	$280,156.50
Birt & MacKay	$300,384.89
Island Coastal Services Ltd.	$309,406.40
Highfield Construction	$343,467.25
Maritime Dredging	$398,803.25

Miminegash Bridge - Structure Replacement - September 19, 2013

Gaudette's Transit Mix	$513,685.50
Noye & Noye	$681,381.00

Stanhope Pathway - September 24, 2013

Chapman Brothers Construction	$173,530.75
Birt & MacKay	$192,703.81
Island Construction	$186,753.69
Island Coastal Services Ltd.	$194,343.69

MacLeod Lane - Tignish Storm Sewer 2013 - October 17, 2013

Northern Enterprises	$76,490.00
Curran & Briggs	$86,489.50
AJL	$87,376.00

Greenvale Bridge - Structure Replacement - January 30, 2014

Noye & Noye	$688,243.60
Island Coastal Services Ltd.	$722,025.18
Central Prince Contracting	$732,169.10
Highfield Construction	$771,952.10
Birt & MacKay	$940,392.24

Route 12 - Central Kildare - Shoreline Protection 2014 - February 24, 2014

Island Coastal Services Ltd.	$58,900.00
Northern Enterprises	$70,975.00
Stewart Enterprises Ltd.	$72,795.00
Gillis Heavy Equipment	$82,015.00
Noye & Noye	$93,050.00
Curran & Briggs	$129,500.00
Gaudette's Transit Mix	$155,350.00
Kildare Construction	$234,000.00

Curley's Lane - February 25, 2014

Island Construction	$144,019.55
Birt & MacKay	$150,967.95
Chapman Brothers Construction	$151,790.25
Island Coastal Services Ltd.	$169,423.37

Cymbria - February 25, 2014

Chapman Brothers Construction	$257,089.00
Island Construction	$257,960.50

Fairview - February 25, 2014

Birt & MacKay	$261,502.60
Island Coastal Services Ltd.	$272,222.87
Island Construction	$273,083.34

Farmington - February 25, 2014

Island Construction	$289,094.74
Chapman Brothers Construction	$290,403.53

Lower Malpeque Road - February 25, 2014

Island Coastal Services Ltd.	$215,466.35
Birt & MacKay	$217,181.40

Miscouche / Summerside - February 25, 2014

Curran & Briggs	$366,762.60
Chapman Brothers Construction	$375,095.10

Rosebank / Elmsdale - February 25, 2014

Chapman Brothers Construction	$579,017.00
Curran & Briggs	$608,651.00

St. Peter's Bay - February 25, 2014

Island Construction	$155,120.90
Chapman Brothers Construction	$156,666.90

Summerside/Travellers Rest - February 25, 2014

Curran & Briggs	$386,810.60
Chapman Brothers Construction	$391,187.60

Wood Islands - February 25, 2014	
Island Construction	$494,611.00
Chapman Brothers Construction	$497,604.00

Western Region - Highways & Bridges

	Kms	Grade	Gravel Base	Asphalt RAP	Asphalt Levelling	Asphalt Base	Asphalt Seal	Recon-struction	To Be Sealed	New Pavement
Route 1 - Borden Carleton	2.4	0	0	0	0	0	2.4	0	0	0
Route 1 - TCH New Haven	4.51	3.51	4.03	0.48	4.33	4.33	0	4.51	4.51	4.51
Route 1 - TCH Bonshaw	3.51	2.01	3.14	0.37	3.39	3.39	0	3.51	3.51	3.51
Route 1 - Desable	1.8	0.7	0.7	0	0.7	0.7	1.8	0.7	0	0
Route 2 - Elmsdale	0.78	0	0	0	0.78	0	0.78	0	0	0
Route 2 - St. Eleanors	1.6	0	0	0	0	0	1.6	0	0	0
Route 2 - Springhill	0.66	0	0	0	0	0	0.66	0	0	0
Route 2 - Winsloe / Milton Station	1.5	0	0	0	0	0	1.5	0	0	0
Route 9 - Elmwood / New Haven	1.3	0	0	0	1.3	0	1.3	0	0	0
Route 13 - Crapaud / Kelly's Cross	2.74	0	0	0	0	0	2.74	0	0	0
Route 142 - Unionvale	1.72	0	0	0	1.72	0	1.72	0	0	0
Summer Street - North Rustico	0.35	0.35	0.35	0	0.35	0	0.35	0.35	0	0.35
Timber Lane - North Rustico	1.01	0.81	0.81	0	0.81	0	1.01	0.81	0	0.66
MacLeod Lane - Tignish Storm Sewer	0.18	0	0	0	0	0	0	0	0	0
Route 12 - Alberton Storm Sewer	0.17	0	0	0	0	0	0	0	0	0
Route 12 - Central Kildare Shoreline Protection	0.95	0	0	0	0	0	0	0	0	0
Route 12 - Central Kildare Coastal Seawall	0.1	0	0	0	0	0	0	0	0	0
Total	**25.28**	**7.38**	**9.03**	**0.85**	**13.38**	**8.42**	**15.86**	**9.88**	**8.02**	**9.03**

Note: 1. MacLeod Lane, Tignish Storm Sewer and Route 12 Alberton Storm Sewer were storm sewer projects.
2. Route 12 Central Kildare Shoreline Protection and Route 12 Central Kildare Coastal Seawall were shoreline protection projects at Jacques Cartier Provincial Park.
3. Guardrail - Approximately 3.0 km were installed at various locations throughout the Western Region.

Eastern Region - Highways & Bridges

	Kms	Grade	Gravel Base	Asphalt RAP	Asphalt Levelling	Asphalt Base	Asphalt Seal	Recon-struction	To Be Sealed	New Pavement
South Pinette, Route 1	1.20	0.00	0.00	0.00	1.20	0.00	1.20	0.00	0.00	0.00
Midgell Route	1.40	0.00	0.00	0.00	1.40	0.00	1.40	0.00	0.00	0.00
Tracadie Cross Turning Lane, Route 2	0.50	0.50	0.50	0.00	0.00	0.50	0.50	0.50	0.00	0.00
Millview / Hermitage, Route 2	1.90	0.00	0.00	0.00	1.90	0.00	1.90	0.00	0.00	0.00
Primrose / Cardigan, Route 4	1.80	0.00	0.00	0.00	1.20	0.00	1.80	0.00	0.00	0.00
Pleasant Grove Intersection York, Rte 25	0.40	0.30	0.30	0.00	0.30	0.40	0.30	0.00	0.00	0.00
Stanhope Pathway	1.10	1.10	1.10	0.00	0.00	1.10	1.10	0.00	0.00	0.00
Brackley Point Road - Roundabout	0.50	0.50	0.50	0.00	0.00	0.50	0.50	0.50	0.00	0.00
Stratford, Keppoch Road	0.66	0.66	0.66	0.00	0.00	0.66	0.66	0.66	0.00	0.00
Brudenell Point Road	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00
Total	**9.47**	**3.07**	**3.07**	**0.00**	**5.70**	**1.97**	**9.47**	**3.07**	**0.00**	**0.00**

Note: 1. Guardrail- Approximately 1.0 km was installed at various location throughout the Eastern Region.

MATERIALS & SOILS SECTION

Asphaltic Concrete

A total of seven asphalt mix plants were engaged in the production of asphaltic concrete. All of the mix was produced from drum mix plants. A total of 137,836.53 tonnes of asphaltic concrete was produced in 2013. This included binder course, surface course, levelling course and maintenance mixes. A price adjusted, end result specification was applied to hot mix compaction on specified contracts.

Daily inspection was carried out at each of the seven plants to control the quality of the mix produced. A total of 422 asphalt mix samples were collected and analysed for compliance with Department Specifications. This resulted in a testing frequency of one test for every 326.5 tonnes of asphalt mix produced. A total of 288 cores were removed from the contracts to determine compliance with compaction and thickness requirements.

Aggregates

The use of local aggregates was limited to blend sands. The type and amount of testing carried out to ensure the quality of the aggregates is noted below:

Type of Test	No. of Tests
Sieve Analysis Aggregate	1,193
Sieve Analysis Extractions	546
Specific Gravity	72
Soundness	16

Type of Test	No. of Tests
Abrasion	8
Crush Count	8
Sand Equivalent	11
Flat & Elongated Particles	8
Uncompacted Voids Fine Aggregate	7
Micro-Deval	15

In addition, 17 Marshall and Superpave mix designs were carried out to determine aggregate proportions and optimum asphalt cement contents. Also, 28 Stripping Mixes were carried out to determine the extent of stripping from the various aggregate sources; included were stripping mixes done on plant samples taken from each contract.

Asphalt Cement
Asphalt cement specification compliance testing was performed on Performance Grade 58-28 and Polymer Modified 64-28 asphalt cement. A total of 13 samples were taken.

Type of Test	No. of Tests
Specific Gravity	13
Penetration	8

Soils and Granular
Soils testing dealt mainly with granular base course, and select borrow. Tests carried out on these materials included sieve analysis, moisture-density relationship, specific gravity, and degree of compaction. A total of 322 samples were processed during the year.

Type of Test	No. of Tests
Sieve Analysis	322
Moisture-Density	41
Compaction Test	2,873
Specific Gravity	11

Ice Control
Materials Lab staff provided inspection and testing services for the production of winter sand used by the Maintenance Division for ice control. The services included calibrations of sand blenders, on-site monitoring and production sampling from both the blenders and from stockpiles. A total of 439 samples were processed for gradation testing.

Subsurface Investigation
The continued use of the Lab's mobile drilling unit permitted comprehensive sub-grade investigations to be carried out. A total of 137 samples were obtained from eleven different projects. Gradation analysis and insitu moisture contents were determined for all samples. In addition, 12 atterberg limit tests, 10 hydrometer analysis and 20 organic indicator tests were performed.

Concrete
Testing and inspection services were provided for the following projects:

- Loane Road Bridge Structure Replacement
- Marie Bridge Structure Replacement
- St Ann's Bridge Structure Replacement
- Bonshaw Bridge Structure Widening
- Scales Pond Reconstruction
- Route 12 Alberton Storm Sewer 2013
- Miminegash Bridge Structure Replacement
- Crapaud Route 13 (Sherren's Pond) Structure Replacement
- Emerald Bridge Structure Replacement
- Route 25 York 2013
- Route 1 Desable 2013
- Canoe Cove Bridge Structure Replacement
- Kentyre Road Bridge Structure Replacement
- MacLeod Lane Tignish Storm Sewer 2013
- Cornwall (Ferry Road) Bridge Structure Replacement

A total of 268 concrete test cylinders were tested for compressive strength. A total of 181 slump tests and air content tests were performed. In addition, there were four sets of three mortar cubes.

Benkelman Beam
The deflection testing program continued to provide information for overlay thickness design and the spring weight restriction program.

Profilograph
The High Speed Inertia Based Profilograph was employed to determine smoothness on a number of contracts where surface course hot mix had been applied. A price adjusted smoothness specification was implemented on selected contracts.

BRIDGE SECTION

Bridge construction is shown in the Eastern and Western Regions Highway and Bridge Projects tables located elsewhere in this report.

The following is a list of bridges and the work carried out by the Department or on behalf of the Department:

Bridge	Work Completed
Rte 232, Emerald Bridge (Q1-067)	Carry over work (asphalt)
Rte 224, St. Ann's Bridge (Q1-032)	Design, tender, structure replacement and asphalt
Rte 60145, Loane Road Bridge (K4-015)	Structure replacement and asphalt
Rte 248, Cornwall (Ferry Road) Bridge (Q2-049)	Structure replacement and asphalt
Rte 19, Canoe Cove Bridge (Q2-051)	Design, tender, structure replacement and asphalt
Rte 1, Bonshaw Bridge (Q1-043)	Structure widening and asphalt
Rte 250, Kentyre Road Bridge (Q3-006)	Geotechnical investigation, topo survey, design, tender, structure replacement and asphalt
Rte 13, Crapaud Bridge (Q1-048)	Geotechnical investigation, topo survey, design, tender, structure replacement, and asphalt
Rte 2, Marie Bridge (K2-013)	Design, tender and structure replacement
Rte 40469, Miminegash Bridge (P1-129)	Design, tender and structure replacement
Rte 2, Greenvale Bridge (Q2-061)	Geotechnical investigation, topo survey, design, tender, and structure replacement
Rte 17, Greek River Bridge (K4-037)	Geotechnical investigation, topo survey, design, & tender
Rte 10, Augustine Cove Bridge (P4-002)	Geotechnical investigation, topo survey, design, & tender

Bridge	Work Completed
Rte 19, Rocky Point Bridge (Q2-048)	Geotechnical investigation & topo survey
Rte 202, Iris Bridge (K4-054)	Geotechnical investigation & topo survey
Rte 2, Souris Bridge (K1-004)	90% Design

Pre-Cast Structure Purchase
The Department did not procure any precast concrete elements to be incorporated as part of future bridge replacements.

Timber Material Purchase
The Department did not procure any timber elements to be incorporated as part of future bridge replacements.

Bridge Inspections & Bridge Management
The Department retained several consultants (as well as our own in-house staff) to conduct detailed bridge inspections on 109 bridge structures within the Province. The detailed inspection is based on the Ontario Structures Inspection Manual. All inspection teams were given an in-depth full two- week inspection course in November 2007 and again in September 2012. The data from each bridge inspection has been entered into our new Bridge Management Software. This software will allow us to better manage our assets in determining where the Capital Budget gets allocated and which bridge structures get priority.

Bridge Maintenance
The Bridge Maintenance Section is responsible for the ongoing maintenance of approximately 1,300 structures across Prince Edward Island. There are several types of structures within the bridge inventory:

- Multi-Plated Steel Arches
- Timber Boxes
- Concrete Bridge/Timber Extensions
- Sectional Concrete Boxes
- Steel Sheet Piling Bridges
- Timber Pile Bridges
- Steel Pile Bridges
- Corrugated Steel Pipes
- Timber Crib Bridges
- Timber Catch Basins
- Timber Driveway Boxes
- Concrete Span Bridges
- Steel Span Bridges

Bridge Maintenance is comprised of several components:

- Inspection Crew - The crew operates on a 3-year schedule rotating between the three counties inspecting approximately 400 to 500 smaller structures each season.
- Bridge Yard Inventory Crew - Responsible for inventory control for the materials being sent to the various projects across the Island.
- Boom Truck - Responsible for transporting the construction materials to the maintenance crews and construction sites.
- Construction Crews - Six crews are responsible for the yearly maintenance work carried out by the Bridge Section.
- Administrative Staff
- Bridge Management - Duties include overseeing and organizing the schedules of the Bridge Maintenance Staff.

In addition to the goals of ensuring the integrity of structures, the Bridge Maintenance Section assists other agencies in achieving their objectives by improving fish passages by installing baffles within structures, protection of stream banks by the placement of gabion baskets, and the creation of fish habitat by installing natural bottoms in some of the structures.

HIGHWAY DESIGN SECTION

The Design Section provided detailed highway design, drawings or alignments for approximately 28 highway projects during the fiscal year. All incoming electronic survey data provided by the Department's Survey Section was reduced and verified for accuracy prior to preparing further design work.

Preliminary or detailed design work was carried out for the following highway construction projects:

Route Number	Area of Design Work Done
Route 1 - Trans Canada Highway	• Upton Road - Roundabout • Gateway TCH - Re-alignment Bonshaw • Gateway TCH - Re-alignment New Haven • Desable - Reconstruction, turning lanes and intersection re-alignment (Route 19 and 246), tender drawings • Bonshaw, Green Rd, St Catherines Rd, Bonshaw Rd - Left turning lanes • Tryon - Re-alignment and reconstruction, preliminary planning • Clyde River, TCH and Route 247 - Right turn lane, preliminary design
Route 2	• Marshfield Route 2 and 25 - Intersection re-alignment
Route 6	• New London - Super elevation design • Grand Tracadie, Route 6 and Rink Road - Intersection re-alignment • Rustico, Summer Street - Extension • Rustico, Timber Lane
Route 12	• Alberton, Church Street - Sidewalk and storm sewer final design and tender drawings
Route 15	• Route 15 and Route 220 - Intersection re-alignment and grade reconstruction, preliminary design
Route 19	• Fairview - Reconstruction • Cumberland Line Road - Sight distance improvement
Route 20	• New London - Highway re-alignment at PEI Aqua Farms, design revisions and tender drawings.
Route 25	• Stanhope - Paved pathway at golf course, final design and tender drawings
Miscellaneous	• Blooming Point Beach - Access • Curley's Lane, Roseneath • Jacques Cartier Provincial Park - Shoreline Protection • Hunter River Post Office - Relocation and parking layout • Milton, Route 236, Lower Malpeque Road - Sidewalk and storm sewer • Sand pile volume calculations • Horizontal Centerline Geometry and paint line layouts for various mill and overlay projects • Mount Albion - Rails to Trails re-alignment • Cousins Shore Road - Parking options • Georgetown, East Royalty Road - Drainage design

TRAFFIC OPERATIONS MANAGEMENT SECTION

The Traffic Operations Management Section (formerly Pavement Management Section), within the Capital Projects Division, administers and manages the resources and services for the primary information systems used in the Department's transportation planning activities. This section is responsible annually for the operations of the ITMS - Integrated Traffic Monitoring System, the WIM - the Provincial Weigh-In-Motion Information System, and the Pavement Management System named PCMS - Pavement Condition Monitoring System.

Integrated Traffic Monitoring System - ITMS

This section continues to maintain and analyze data from 12 permanent count sites, approximately 120 temporary count sites and the five WIM sites. On an annual basis, additional equipment (Archer Counters with pneumatic road hoses) is set up at 30 to 40 sites (permanent or temporary sites noted above) for a period of eight days annually to conduct vehicle classifications. The Department also carries out a number of intersection turning movement surveys across the Province on an annual basis during a 14-week period in the summer months. The data from all of these monitoring sites continues to feed the ITMS information system, and annually creates a master traffic profile for the almost 3,500 kilometres of provincially numbered highways.

A typical counter site consists of wire loops imbedded in the asphalt of each lane. The wires are brought to the shoulder of the road at a common location and eventually to an electrical post at the edge of the right-of-way where the connection to the counter is made. These sites are often replaced during road reconstruction. Loops were installed at two new sites this year, Trans Canada Highway re-alignment in New Haven and replaced at other two sites on Route 1 in Desable and Route 7 in Milton.

The Department rehired the same four labourers for the summer season to carry out the Intersection Turning Movement Count program. The individuals performed the duties well and have been recommended for rehire for the following year. Maintaining the same casual staff year-to-year is a benefit to this program as it helps to maintain consistency. These manual traffic surveys are carried out for 10 hours a day - four days a week. The field data is keyed to ITMS by office staff, stored and available for analysis as an intersection (or other traffic facility) design tool. The crew carried out 107 intersection counts during their 14-week term.

Weigh In Motion System - WIM

The Weigh-In-Motion system collects vehicle weight, speed, and vehicle classification data. The Section operates and maintains 5 monitoring sites across the Province. These sites are located on arterial highways in Tryon, Hunter River/Springvale, Bedford, Middleton, and Richmond.

- Tryon - This site is fully operational.
- Hunter River - This site is fully operational.
- Bedford - This site is non-operational and in need of repairs or upgrading. The station is expected to be rebuilt when the road is reconstructed. The asphalt is in poor condition in this area.
- Middleton - This site also is not functioning and is expected to be rebuilt when the road is reconstructed. The asphalt is in poor condition in this area.
- Richmond - This site is fully operational.

The data obtained from these WIM sites can be used to determine ESAL's (equivalent single axle loads) per truck which in turn may be used for structural design of our highways. This database is also used to make estimates of vehicle type breakdown for the ITMS traffic system.

Pavement Condition Monitoring System - PCMS

Surface distress data were carried over from last fiscal year. The data was collected based on nine distress attributes for the National Highway System and Community Connectors. Data from these nine distress attributes are used to calculate a Surface Distress Index (SDI) for each of the various highway sections within the 1,305 kilometres network managed by the Capital Projects Division. This SDI value, which provides a relative value of pavement condition is available to the Division as an aid in the Capital Construction planning process. Other data available for use in the Capital Programming includes traffic volume data, intersection counts and vehicular collision data.

Provincial Highway Traffic Growth

The table below shows the Department's permanent traffic volumes monitoring sites and their respective 2012 and 2013 AADTs - Annual Average Daily Traffic figures, meaning two-way traffic for an average 24-hour day of the year. These AADT values are maintained by the calender year and not the fiscal year which ends on

March 31st of the following year. Only these sites are used to calculate the provincial traffic growth rate, because only these sites monitor traffic constantly, all year long - except for machine failure. The provincial traffic growth rate for 2012 shows a decrease of 0.54 % over the previous year (solely based on the permanent traffic monitoring installations). It should be noted that the O'Leary permanent counter site malfunctioned for several months early in 2013, thus the previous year's AADT value has been inserted to calculate growth rates. The 5-year and 10-year annual growth rates, based on all permanent counter sites, are 2.04% and 0.25% respectively.

2012 - 2013 Comparison Annual Average Daily Traffic Table

	Annual Average Daily Traffic - AADT		**Annual**
Monitoring Sites	**2012**	**2013**	**% Change**
Tryon (001:02)	4,465	4,419	-1.0
North River (001:07)	22,412	22,108	-1.4
Hillsborough Bridge (001:11)	32,828	32,609	-0.7
Cherry Valley (001:12)	7,180	7,141	-0.5
Marie (002:04)	2,591	2,597	0.2
Pleasant Valley (002:13)	6,163	6,212	0.8
Richmond (002:17)	5,185	5,199	0.3
Cavendish (006:09)	1,847	1,889	2.3
Milton (007:01)	1,929	1,939	0.5
O'Leary (142:03) **	1,499	1,499	0.0
Confederation Bridge	4,057	4,042	-0.4
Albany (01A:01)	3,386	3,385	0.0
Total	93,542	93,039	
Annual average provincial traffic growth for 2013 (as a % growth over 2012) ***** O'Leary permanent counter malfunctioned for several months thus previous year's value inserted for current year***			**-0.54%**

EASTERN REGION TRAFFIC OPERATIONS

Highway Signage

Installation and maintenance of highway signs was carried out by one full-time sign crew based out of Bridgetown, two full-time and one part-time sign crews based out of Charlottetown. In addition to highway signs, the crews were responsible for the installation and maintenance of the Tourism Direction Signage, 911 signage, signing detours and some construction signage. Theft of both private and public road signs continues to be a problem.

Tourism Directional Signs

Administration of Tourism Directional Signs was carried out by the Department of Economic Development and Tourism. Sign orders were passed on to the Provincial Sign Shop in Tignish and after manufacture, were installed by the regional sign crews. There were 60 new signs manufactured for new clients and 10 signs that were damaged or faded were replaced. There were 75 signs removed for clients who are no longer in the program.

Highway Marking

Centerline marking was applied to approximately 3,800 kilometres of existing highway by the centerline striping machine based out of Charlottetown. In addition to this, 28 kilometres of new construction was pre-marked and painted. Shoulder lines and lane lines were applied to 427 kilometres of arterial highway. Edge lines were painted on approximately 34 kilometres of arterial highway and 95 kilometres of collector highways. Department crews also painted streets in the cities of Charlottetown and Summerside, the Confederation Bridge and Parks Canada. Intersections in the region were re-painted by the intersection marking crews, based out of Kings County and Queens County. Permanent markings were applied to some major intersections as part of capital upgrades. Raised pavement markings were installed on Route 2 from Souris to Hunter River, Route 1 from Cherry Valley to Vernon Bridge and Route 3 from Cherry Valley to Alberry Plains.

Highway Lighting

Maintenance of highway lighting was carried out by Hansen Electric in Queens County and by Foster Campbell Electric Ltd. in Kings County. Area lighting in the region was improved at ten intersections in the region by installing 84 LED fixtures, replacing Low Pressure Sodium fixtures. New LED lighting was also installed at 6 new intersections on the Trans Canada Highway re-alignment in New Haven and Bonshaw and area lighting was improved at the intersection of Route 2 and 218, Blooming Point Road in Tracadie Cross. Flashing beacons and lighted barricades were used for detours and in advance of some major highway construction projects.

Access Control

Applications for Entrance Way Permits on arterial and seasonal highways were processed as well as stopping sight distance assessments for new dwellings and commercial operations. Fees were collected for the installation of new entrance ways for new dwellings and agricultural use.

WESTERN REGION TRAFFIC OPERATIONS

Highway Signage

Two full-time sign crews erected and maintained signage throughout the region, which includes directional signage, community signs, scenic route signs, street name signs, warning signs, 911 road name signs and regulatory signs. In addition to this, crews continued to erect and maintain detours for highway construction sites. The sign crews continue to erect and maintain the Tourism Directional Sign standards.

Highway Marking

The centerline marking was applied by the striping truck and the shoulder lines were applied by the smaller striping truck. Centerline marking was applied to approximately 800 kilometres of existing highway, 26 kilometres of asphalt resurfacing and 10 kilometres of new construction. Shoulder lines or edge lines were painted on approximately 200 kilometres of highway. Intersection marking was applied by the intersection marking crew based in Summerside. Raised Pavement Markings were installed on all arterial highways in the Province.

Highway Lighting

Maintenance was carried out as required on the following; Highway lighting, traffic signals and flashing beacons. Message boards, flashing beacons and lighted barricades were used for detours and in advance for the major highway construction projects. The Department continues to upgrade highway lighting using LED Lighting.

Highway Access Control

Under the *Roads Act*, *Highway Access Regulations*, safe stopping sight distance assessments are completed for commercial operations, agriculture entrance ways and new dwellings. The Section is also responsible for collection of fees for entrance way installations.

PROVINCIAL SIGN SECTION

The Sign Shop continued to produce highway signage for the Island. The Sign Shop has two full-time classified positions. There is one full-time casual position and a rotation of four other casual employees, as well as a rotation of two casual employees that fill one position in the Carpentry Shop area.

The following is a breakdown of signage produced:

	Prince County	Queens County	Kings County
Directional	49	49	80
Extruded signage	0	20	0
Overhead extruded	1	0	0
Public road names (911)	115	53	92
Private road names (911)	21	12	14
Regulation and warning	874	168	34
Route assemblies	237	44	34

	Prince County	Queens County	Kings County
Community	17	19	40
Street signage	7	21	4
HISS	19	56	45
Construction	107	13	88
Total	**1,447**	**455**	**431**

Un-invoiced Signage within Department:

Signs sent to Charlottetown Stock	1,627
Construction signs sent to Charlottetown Stock	709
Accelerate PEI Boards	2
Specialty signs within Department	136
Public Works directory slats	0
Public Works door number tags	701
Vinyl numbers of guardrail numbering and light poles	775
Vinyl lettering for traffic cones	500
Public Works name plates	116
Public Works other signage	76
Sub-total	**4,642**

Invoiced Signage:

Other departments	341
Public Works signs (and smaller vinyl stickers)	1,346
Parks Canada	78
Rails To Trails	362
Rails delineators	1,550
Municipalities	229
Construction	24
Other companies	66
Sub-total	3,996

Total of Signage Produced:

Prince County	1,447
Queens County	455
Kings County	431
Un-invoiced signs	4,642
Invoiced signs	3,996
Total	**10,971**

MAPPING AND GEOGRAPHIC INFORMATION SYSTEM TRANSPORTATION (GIS-T)

In the fiscal year of 2013/14, the Mapping and GIS-T Section was involved in a number of on-going and new initiatives. There continued to be two staff members assigned to work in this area.

This year, much work was done in support of the Bonshaw Hills Public Lands Committee. A series of report maps and presentation slides were prepared for the proposed parkland expansion initiatives in conjunction with the Trans Canada Highway re-alignment in the area. Field work was also conducted to map the existing and potential trail network in the area.

An update and reprint of the *Provincial Road Atlas* was undertaken. This second edition was made available in a public version as well with identification numbers and other department information removed. Interactive digital versions in *Adobe* PDF were also created and made available within the Department and to the public through a provincial website.

The internal web mapping application Department staff use to gain access to geographic data was replaced with a new *ArcGIS Flex* viewer application. This was a significant upgrade with many new capabilities, much improved performance and with a re-designed layout. An instructional manual was prepared and staff were given training to familiarize themselves with the new tools and features.

IRI or pavement roughness data was once again collected on the high traffic volume road network. The GIS-T Section was responsible to map and present this sizeable data set. For the first time the pavement condition data was collected and stored with a GPS location coordinate. Once the data was formatted, amalgamated and mapped a very visual representation of the road surface condition was created. With the success of this project, it is anticipated these efforts will become an annual exercise.

The project to create a GIS database to map the provincial *Access Regulations* was concluded. The digital road centre line (PEINRN) now has an attribute field for access class. The level of service the Department has historically been providing for all provincial roads now conforms with the information contained in the access class field.

New *Trimble* mapping grade GPS equipment was acquired this year replacing equipment that had been in use since 2003. This technology can receive, via cellular modem, real time correction data from a local base station network enabling reliable sub-metre mapping accuracy. One of the first field mapping exercises conducted with the new gear was the mapping of guardrails as part of an asset inspection and condition project.

The GIS-T Section continued to perform mapping and data analysis services for the Department and associated agencies. Some examples of typical mapping requests are as follows: special event logistical planning maps; presentation and proposal maps; routing and detour maps; district and work zone maps; tender and construction location maps; property and site contour maps; hydrographic and watershed maps; infrastructure and facilities maps; and aerial imagery and base maps.

HIGHWAY MAINTENANCE DIVISION

GENERAL

The Highway Maintenance Division provides a full range of operation and maintenance services on the entire provincial highway system. The Division is organized by function into the following sections and work units:

- Provincial Headquarters
  - Central management functions, program development, budgeting, inventory control, bulk purchasing and contract preparation.
  - Technical services relating to standardized policy and procedure for work crews, as well as staff training and development.
- Highway Maintenance - Eastern, Central and Western Region Operations
  - Maintenance and superintendence of all provincially owned roads across the Province.
  - Services include: pavement surface maintenance, roadside maintenance, drainage and storm water, unpaved roads, dust control, snow and ice control.
  - Maintenance of bridges, signage, pavement marking and traffic control devices is provided by other divisions of the Department.
- Mechanical Branch - Eastern, Central and Western Region Facilities
  - Supply, maintenance and general management of a large fleet of heavy equipment and light vehicles used directly to execute the work programs delivered by the respective Region operations.
  - Provision of skilled operators and equipment operations.
- Confederation Trail Maintenance
  - Maintenance and superintendence of all maintenance carried out on 444 kilometres of the former CN rail corridor (Confederation Trail).
  - Services include: vegetation control, culvert replacements and repairs, ditching, surface maintenance, shoreline protection and grass cutting. Maintenance of bridges is provided through the Department's Bridge Maintenance Section.

Polyethylene and Corrugated Steel Drainage Pipes

During the year, the Division tendered and purchased both polyethylene and corrugated steel drainage pipe which was installed in various locations throughout the Province. Polyethylene drainage pipe is most widely used based on cost, ease of handling and durability.

Campbell's Concrete was awarded the contract for supplying both the corrugated steel drainage pipe and polyethylene drainage pipe. The total value of both corrugated steel and polyethylene drainage pipe purchased by the Department for its maintenance projects during the season is as follows:

	Corrugated Steel	Polyethylene
Campbell's Concrete	$21,633	---
Campbell's Concrete	---	$358,942

The following length of pipe was installed by the Highway Maintenance Division for the year:

Pipe Diameter	**Central Region**	**Western Region**	**Eastern Region**
Corrugated Steel	**(Metres)**	**(Metres)**	**(Metres)**
300 mm	1	5	14
400 mm	30	4	21
500 mm	22	0	22
600 mm	0	13	3
800 mm	3	0	0
900 mm	0	0	0
1200 mm	0	0	0
Total	**56**	**22**	**60**

Pipe Diameter	**Central Region**	**Western Region**	**Eastern Region**
Polyethylene	**(metres)**	**(metres)**	**(metres)**
300 mm	0	107	12
375 mm	1,274	993	394
450 mm	1,822	1,300	770
525 mm	0	0	0
600 mm	686	923	273
750 mm	137	125	24
900 mm	134	58	55
1200 mm	95	24	0
Total	**4,148**	**3,530**	**1,528**

During the year the Highway Maintenance Division undertook the following installations of pipe:

Type of Installation	**Central Region (metres)**	**Western Region (metres)**	**Eastern Region (metres)**
New Installations	1,308	686	436
Replacement	1,779	2,371	824
Extension	135	46	91
Cross culvert	471	436	205
Confederation Trail	300	14	0
Water Problems	211	0	0
Relocate	0	0	33
Total	**4,204**	**3,553**	**1,589**

Note: Figures do not include length of pipe acquired by Capital Projects.

Used Corrugated Steel Pipe

The Division continues to follow policy developed for re-sale/re-using culverts to bridge various wood lots, farms and private home entrance ways. With the use of polyethylene pipe and the City of Charlottetown doing their own work, the availability of used pipe in acceptable condition for re-sale or re-use is becoming limited.

Crack Filling

This is a process whereby a hot rubberized asphaltic compound is used to fill random cracks in the paved highway system in order to prevent water from entering into the substructure. In 2013-2014 the Department sealed approximately 51,745 metres of cracks, using a total of 8,226 kgs of sealant material.

Technical Services

During the year, the Technical Services Section continued to provide required training programs and developed standardized work procedures for the benefit of front-line maintenance staff. Most training has been in-house, utilizing resident expertise. In selected areas, other provincial departments (e.g. Forestry Division) and outside agencies, including Red Cross instructors, have participated.

Subject matter included but not limited to:

- Occupational Health and Safety Regulations
- First Aid and CPR
- Work Zone Safety
- WHIMIS
- Crew Orientations
- Winter Operations Orientations
- Dickey John Training/Testing
- Driver Training
- Highway Maintenance Procedures and Policies
- Crane Training
- Management and Supervisory Training
- Fork Lift Training
- Chain Saw Operation Certification
- Confined Space Training

In excess of 500 employees continue to receive training ranging from one-half day workshops to one-week sessions. The objective of these sessions is to improve awareness of safe and productive work practices.

EASTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from mid-May to the second week in October. A total of 13,159.55 tonnes was used by the branch for repairing the Province's paved road network in the Eastern Region. This asphalt was financed from the Division's operating and capital maintenance budget. Hand patching crews spread 2,889.32 tonnes. Private contractors supplied/placed 10,270.22 tonnes of asphalt over 17.0 kilometres.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIER	TONNES
Island Construction	3,020.83
Chapman Brothers	10,138.72
Total	**13,159.55**

Resurfacing

The following roads were re-surfaced by private contractors, Chapman Brothers and Island Construction, through supply and place contracts for a total of 17 kilometres:

Kings Zone K-1 - Chapman Brothers

Road Name	Kilometres
Rte. 16/Chepstow	1.9
Rte. 16/Red Point	0.7
Rte. 2/Souris Bridge	0.3
Total Kms	**2.9**

Kings Zone K-3 - Island Construction

Road Name	Kilometres
Rte. 17/Lower Montague	1.2
#60288/Oldis Road	0.9
Rte. 347/Panmure Island	0.5
Total Kms	**2.6**

Kings Zone K-2 - Chapman Brothers

Road Name	Kilometres
Rte. 309/Selkirk Road	0.6
Rte. 16/Cable Head	1.2
Rte. 336/Cable Head	1.3
Rte. 320/Peakes Road	0.6
Grams Beach Road	0.7
Rte. 314/Little River Road	1.3
Rte. 342/North Royalty Road	0.8
#60099/Grumps Road	0.3
Rte. 352/Barr Road	0.5
Rte. 352/Douglas Station Rd.	0.5
K2 & K7/Peakes Road	0.6
Total Kms	**8.4**

Kings Zone K-4 - Island Construction

Road Name	Kilometres
Mill Street/Murray River	0.3
Pleasant Street (off Mill Street)	0.9
Rte. 17A/Cambridge Road	0.8
Rte. 4/Wood Islands	1.1
Total Kms	**3.1**

Bush Cutting

During the season, three government mechanical bush cutters cut bushes along the highway. Approximately 515 kilometres were cut. The Division also used a mechanical brush chipper to eliminate the need to haul away the slash.

Road Maintenance

During the year, seven graders in the county carried out grading services on the unpaved road network (grading approximately 1,875 kilometres). These kilometers reflect multiple trips over the 280 kilometres of seasonal roads and 142.5 kilometres of year-round unpaved roads. In some cases, roads were also ditched and loaders and trucks were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

SANDSTONE (t)	GRAVEL (t)	ROCK (t)
8,875	17,337	352

Sandstone and/or gravel was placed as a new surface material and new culverts, driveway or cross pipes were installed as required.

On the paved road network a number of drainage problems were corrected. Equipment used to carry out this work included department or privately-owned ditching machines and trucks. New culverts were installed as required. The amount of culvert material installed in the Eastern Region can be found under the section *Polyethylene and Corrugated Steel Drainage Pipes*.

Guardrail and Roadside Maintenance

Various crews are utilized periodically within the county to repair damaged sections of guardrail. Also, these crews cut grass and weeds around guardrails and guideposts in each zone.

Grass Cutting

The Division cuts grass on approximately 1,500 kilometres of road in the Eastern Region. One private grass cutter, equipped with a rotary mower, maintains 162.09 kilometres of roadside grass. This contractor was contracted to cut grass from the middle of June until the end of September. In addition, three department-owned farm tractors, equipped with rotary mowers and side cutter attachments, were utilized for roadside grass cutting on the balance of approximately 1,338 kilometres throughout the Eastern Region.

Shoulder Material

During the past year, shoulder material was used to upgrade and repair worn out sections of shoulders.

Dust Control

Maintenance crews used 517 twenty-kg bags flaked calcium chloride to control dust in specific locations. Liquid Magnesium was used for dust control and stabilization on gravel roads only. A total of approximately 133,133 litres were used to treat approximately 79 kilometres of road.

The accompanying tables provide the location and extent of work done in each zone during the year:

Kings Zone K-1 Eastern Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Basin Head (Kingsboro)					0.02		
Bothwell Beach Road			0.07				
Bull Creek S							0.15
East Baltic							0.04
East Road (Red Point)							0.15
Fountain Head			0.02				
Gowanbrae							0.23
Greenvale					0.30		0.03
Kelly					0.25		1.90
Kitson	0.20						
Lakeville (North Side)							0.30
Little Harbour		1.80					
Lower Rollo Bay							0.20
Middle Tarantum					0.43		0.39
New Harmony					0.05		

	in kilometres						
Road Name	***Millings***	***Gravel***	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
North Side Rd - Rocca Berra							0.28
Paddy			0.08				
Rollo Bay (Rte. 2)							0.02
East Lake							0.35
Snake Road							0.02
Total	**0.20**	**1.80**	**0.17**	**0.00**	**1.05**	**0.00**	**4.06**

Kings Zone K-2 Eastern Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Anderson Road		0.20			0.10		
Big Lot Road		0.20					0.30
Brothers Road		0.20					
Cable Head West		0.20					0.20
Canavoy		2.20			0.40		
Cardigan Road				0.50			0.40
Cemetery Road	0.10		0.10				
Church Road		0.40					0.40
Collins Road			0.10				
Curtis Road			0.40		0.40		0.20
Douglas Station Road		0.30					
Dunphy Road							0.50
Farmington (Rte. 2)				0.40			0.20
Fort Augustus Road					0.40		0.40
Gill Road		0.30				0.05	0.30
Green Meadows				0.30			0.40
Hatchery Road			0.20				0.80
Head of Hillsborough		0.30					
Indian Road	0.30				0.30		0.30
Kenovan Road			0.20				0.30
Klondyke Road							0.10
Lighthouse Road			0.20				1.00
MacEwen Road			0.20				0.30

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
MacLeod Road					0.50		
MacSwain Road							0.20
Marie (Rte. 2)				0.40			
Mooney Road			0.20				0.40
Morell East Road					0.20		
New Road		1.00					0.30
Old Lakeside Road	0.10						
Pratt Road							0.30
Red Head Road				0.10			0.20
River Road							0.50
Sandy Cape Road			0.30				0.20
St. Patrick's Road				0.30	0.20		0.30
St. Peter's (Rte. 2)				0.80			1.00
Stanhope Road	0.10						
Windon			0.20				0.20
Total	**0.60**	**5.30**	**2.10**	**2.80**	**2.50**	**0.05**	**9.70**

Kings Zone K-3 Eastern Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Alleys Mill Road				0.60			0.30
Beach Road		0.20					
Buckskin Road			0.30				
Burnt Point Road		0.10					
Collins Road		1.00			0.10		
Dalmaney Road		0.55			0.25		
Dingwell Road		0.40					
Earl Power Road		0.10					
Elm Road		0.20					
Emerson Road		0.50					
Gram's Beach Road				0.60			
Greenfield Road		0.40			0.05		
Green Hill Loop		0.50					
Grove Pine Road		0.40					

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Hazelgreen Road			0.10				
Howlett's Road							0.30
Launching Back Road		0.10					
Little River Road				0.30			
Lorne Valley Road		0.50					
Loyalist Road			0.10				
MacKinnon Road			0.20				
MacMillan Road							0.50
Mill Road		0.30					
Neil's Lane		0.90					
North Royalty Road				0.80			
Old Mt. Stewart Road			0.20				
Perth Station Road							0.20
Sandy's Lane		0.80					
South Montague Road					0.04		
St. George's Road		0.50					
Strathcona Road					0.05		
Union Road					0.07		
Total	**0.00**	**7.45**	**0.90**	**2.30**	**0.56**	**0.00**	**1.30**

Kings Zone K-4N Eastern Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
French Creek				0.50			
Heatherdale (Rte. 316)				0.50	0.25		
Jack Westaway Road							0.10
Kilmuir Road (Rte. 316)					0.20		
Lower Montague Road					0.25	0.30	0.50
Mellish Pond Road			0.20			0.01	
Nicholson Road		0.20					
Peardon Road							0.50
Queens Road				0.80			
Robertson Road				0.50		0.20	0.50

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Roma Point		0.40					
Sturgeon Road (Rte. 17)				0.50			
Thornton Road			0.10				1.00
Valleyfield Road				0.80	0.10		1.00
Whim Road				0.80			
Wood Islands Road				0.70			
Total	**0.00**	**0.60**	**0.30**	**5.10**	**0.80**	**0.51**	**3.60**

Kings Zone K-4S Eastern Region - Maintenance Activities

	in Kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Brian's Road				0.50			
Brooklyn Road				0.50			0.50
Bruce's Road	0.10						
Buell Road		0.30					
Cahoon's Wharf Road	0.10				0.20		
Cape Bear Road							0.50
Commercial Road							1.50
Compton Road					0.10		
County Line Road					0.50		
Dover Road				0.80			0.50
Floating Bridge Road	0.10				0.50		
Girl Guide Camp Road		0.30	0.10		0.50		
Fox River Road							0.50
Gladstone Road						0.20	0.80
Guernsey Cove Road				0.50			
Lewis Road							0.50
MacFarlane Road			0.10				
Milltown Cross Road					0.50		0.50
Munn's Road							1.50
Murray Harbour North				0.50			
Norman's Road				0.50			

	in Kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Peter's Road (Alliston)				0.50	0.55		
Peter's Road				0.80			
Pioneer Cemetery Road							0.50
Point Pleasant Road				0.80	0.10	0.20	
Reilly Lane		0.20					
Riverside Drive		0.20					
Spring Road					0.20		
St. Mary's Road				0.70			
Sturgeon Road				0.70			
Wood Islands Road				0.80	0.10		1.00
Total	**0.30**	**1.00**	**0.20**	**7.60**	**3.25**	**0.40**	**8.30**

EASTERN REGION: WINTER MAINTENANCE

Winter activities in the Eastern Region involved salting, sanding and snow removal. Temporary cold patching of paved roads, water drainage and washout repairs were also carried out, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public.

There were 9,298.20 tonnes of salt purchased for salt-only and 50/50 mix for ice control. The Region also purchased 1,609.14 tonnes of salt to blend with its winter sand. The Region purchased 23,496.70 tonnes of blended sand. This blended material consisted of a mixture of six percent salt, 40 percent imported sand (1/4" minus stone) and 60 percent local sand. This material was stored at six (6) sites throughout the Region. No additional tonnes of blended sand (reserve) were required to re-charge the winter sand piles during the 2013/2014 season.

Ice Control

Ice control on sections of Highway 2, 3, 4 and 16, as well as Souris and Montague main streets, including 148.9 kilometres of road, were maintained by direct salt application. Services also included pre-wetting on Routes 2, 3 and 4 as warranted by road conditions.

Sanding Operations

Approximately 1,041 kilometres of secondary roads were maintained with blended winter sand/salt applications. Sanding operations were carried out by five sanding contractors using department installed hoppers and spreaders. Winter sanding contractors completed their one-year contract. In addition, seven department trucks were utilized to provide service to various locations throughout the County.

Snowfall Records

Total snowfall as recorded by Environment Canada recording station volunteers in the Eastern Region was:

Recorded (cm)	
Alliston	**Kingsboro**
339.2	325.2

Snow Fence Report
The Department installed approximately 4,930 metres of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

Contracted Services
The following is a breakdown of the contracted sanding and snow removal services for the second year of a seven-year contract with private contractors.

Contractor	Kms Plowed
Chapman Brothers	149.3
G & P Trucking	97.3
Kenny MacLeod	99.7
Kings County Construction	103.4
Total	**449.7**

The Department was responsible for plowing, sanding and salting 697.50 kilometres of highway. To this end, 23 plow routes and five snow blower (#240/#251/#255/#91224 and #63224) areas currently exist. Below, is the breakdown of the kilometres for which the Department was responsible for plowing, sanding and salting:

Eastern Region

Location	Kms	Graders	Blowers	Loaders	Trucks
South Lake	23.8	X			
Bayfield	27.7	X			
St. Charles	36.1				1
Forest Hill	24.3	X			
Morell	24.8				1
48 Road	28.0				1
St. Teresa's	28.4				1
Bridgetown	28.9				1
Georgetown	32.8				1
Annandale	35.0				1
Strathcona	21.5	X			
Cardigan	35.8				1
St. George's	34.2				1
Montague	21.4				1
Whim Road	28.6				1
Murray River	37.0				1
Morell East	31.2				1

Location	Kms	Graders	Blowers	Loaders	Trucks
Gaspereaux	39.8				1
Souris (includes streets salted)	28.0				1
Cardigan (includes areas sanded)	33.7				1
Murray River (streets)	10.7			X	
Total	**697.5**	**5**	**5**	**1**	**6**

The Department was also responsible for plowing the streets within the Town of Souris, as well as the Villages of St. Peters, Cardigan, Mt. Stewart, Morell, Murray Harbour, Murray River, Montague and Georgetown.

CENTRAL REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the first week in June to the second week in October. A total of 27,884.76 tonnes was used by the branch for repairing the Province's paved road network in the Central Region. This asphalt was financed from the Division's maintenance budget. Hand patching crews spread 3,672.65 tonnes. Private contractors supplied/placed 24,212.11 tonnes of asphalt resurfacing over 30.70 kilometres.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIER	TONNES
Curran & Briggs	58.77
Central Roadways	453.15
Chapman Bros.	4,453.99
Island Construction	17,172.95
M & M Resources	5,745.90
Total	**27,884.76**

The following roads were resurfaced by private contractors through supply and place contracts:

Queens Zone Q-1

Road Name	Kilometres
Avondale Road	1.15
Garfield Road	0.90
MacAuley's Wharf Road	0.50
Pownal Road	0.60
Oceanview Road	0.60
Rink Road	0.45
Murray Harbour Road	1.00
China Point Road	1.00
Douses Road	0.40
Total Kms	**6.60**

Queens Zone Q-2

Road Name	Kilometres
Shakespeare Drive	0.40
Mason Road	0.40
Tarantum Road	0.40
Crestwood Avenue	0.20
Total Kms	**1.40**

Queens Zone Q- 3

Road Name	Kilometres
Donagh Road	0.50
Fort Augustus Road	0.50
MacEachern Road	0.40
Donaldston Road	0.60
Eastern Road	1.00
Pleasant Grove Road	3.55
Portage Road	0.50
Union Road	2.00
Sleepy Hallow Road	1.20
Winsloe Road	1.00
Total Kms	11.25

Queens Zone Q-4

Road Name	Kilometres
York Point Road	1.00
Centennial Drive	0.20
John Street	0.20
Poplar Drive	0.40
Seymour Drive	0.20
Cornwall Road	0.40
Riverdale Road	1.00
Canoe Cove	1.00
Upper Meadowbank Road	0.80
Peters Road	0.50
New Argyle Road	0.80
Rocky Point	0.60
Howard/Russell St., Victoria	0.55
Total Kms	7.65

Queens Zone Q-5

Road Name	Kilometres
Simpson Mill Road	1.00
St. Patricks Road	0.55
Buntain Road	0.75
Cape Road	0.75
Reid Road	0.75
Total Kms	3.80

Bush Cutting

During the season, two government mechanical bush cutters cut bushes along the highway. Approximately 312.85 kilometres were cut. Department crews, consisting of a foreman, three labourers, and a half-ton truck, followed the mechanical bush cutters to pick up debris and trim where the cutter could not reach. The Division also used a mechanical brush chipper to eliminate the need to haul away the slash.

Road Maintenance

During the year, graders were used to scrape and maintain the unpaved road network. In some cases, roads were also ditched and loaders and trucks (department and privately-owned) were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

Sandstone (m3)	Sandstone (t)	Gravel (m3)	Gravel (t)	Rock (t)
14,594	10,912	0	13,140	741

Sandstone and/or gravel was placed as a new surface material and new culverts, driveway or cross pipes were installed as required.

A number of drainage problems were corrected on the paved road network. Equipment used to carry out this work included Department or privately-owned ditching machines and trucks. New culverts were installed as required. The amount of culvert material installed in the Central Region can be found under the section *Polyethylene and Corrugated Steel Drainage Pipes.*

Guardrail and Roadside Maintenance
Three roadside crews were employed within the Region to repair damaged sections of guardrail. These crews also cut grass and weeds around guardrails and guideposts in each district.

Grass Cutting
The Department hired two private grass cutters to maintain 306.3 kilometres of roadside grass. These contractors were contracted to cut grass from the middle of June until the end of September. In addition, four farm tractors were utilized for roadside grass cutting on the balance of approximately 2,136 kilometres throughout Central Region.

Shoulder Material
During the year shoulder material was used to upgrade and repair worn out sections of shoulders.

Dust Control
Maintenance crews used 103 twenty-kg bags of flaked calcium chloride to control dust in specific locations. Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of 310,442 litres was used to treat 98 kilometres of road. The accompanying tables provide the location and extent of work done in each district during the year:

Queens 1- Central Region - Maintenance Activities

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Trans Canada	3.00	4.50	0.20	2.00				6.00
Gill Road						0.40		
MacAuley's Wharf Road	0.10				0.20	1.00		
Settlement Road		0.20				4.00		
Taylor Road						0.80		
Drake Road					0.10			
McGuirk Road		0.30				1.00		
Gairlock Road						4.00		
Storey Road						0.10		
Point Prim			2.00			0.90		4.00
Newtown Road					0.60			
Rte. #3, Alberry Plains				0.80				
East Uigg Road		0.20	0.10			2.10		1.00
Seal River Road		0.20				1.90		
Murray Harbour Road		1.00		2.50				6.00
Gay Road								1.00
Avondale Road				1.20	0.80	2.30		3.50
Monaghan Road	1.20							4.00

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Center Road	0.10					1.80		
Pownal Road								4.00
Pinette Race Track		0.10				0.60		
Douses Road				0.90	0.60			
Settlement Road						3.50		
Murray's Road						4.00		
Alexandria Wharf Road						1.00		
Queens Road				0.40				2.20
Village Green	0.40				0.30	2.20		0.60
Waterside Road						0.90		
New Cove Road	0.30					1.10		
O'Keefe Lane						0.90		
48 Road				1.50	0.20			1.80
Stewart Point						0.30		
Cullodden Road						4.50		
Angus J. MacLean					0.40	3.90		
Laurie's Road			0.10			2.20		
New Cove Road					0.20			
Iona Road					0.40			1.00
Pioneer Cemetery Road		0.40	0.40			0.60		
Crawford Road			0.20					
Wood Islands Road					0.20			
Camp Road					0.30			
Selkirk Road				2.00				3.10
Ryan's Road		0.40	0.30		1.80	1.80		
Wood Islands Day Park	0.10					0.60		
Klondyke Road						2.00		
Wheeler Road						0.80		
MacPhail Park Road		0.10				1.60		
Big Point Road						0.60		
High Bridge Road			0.20			3.80		
Cameron Island Road		0.20			0.10	0.60		0.60
Lyndale Road			0.20					
Henry Lane		0.10						

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Roseberry				1.50				3.10
County Line Road					0.30			
Garfield Road				1.00				3.20
Munn's Road						3.20		
Culloden Road			0.10			4.10		
Camp Buchan	0.10					1.20		
Dan Compton Road						0.90		
Holiday Wharf Road					0.20	0.20		
Gillis Road		0.20				1.50		
Vernon River				1.20				
Total	**5.30**	**7.90**	**3.80**	**15.00**	**6.70**	**68.90**	**0.00**	**45.10**

Queens 2- Central Region - Maintenance Activities

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Kinlock Road								0.20
Keppoch Road				0.75	0.15			
Marion Drive					0.10			
Mt. Herbert Road				0.10				0.15
Upper Teahill Crescent								0.10
McKenna Road	0.20					0.75		
MacEachern Road		0.20						0.40
Power Road			0.30		0.30	0.50		0.50
Higgins Road						0.50		0.40
Bethel Road				0.25				
Crown Point Road			0.10			0.30		0.10
Rifle Range		0.30				0.40		0.40
Duffy Road						0.40		
Gay Road				0.30				0.30
MacLennan Road								0.50
Pownal Road				1.00	0.50			
Tallie Road			0.30			1.75		0.10
Total	**0.20**	**0.50**	**0.70**	**2.40**	**1.05**	**4.60**	**0.00**	**3.15**

Queens 3 - Central Region - Maintenance Activities

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Afton Road						9.50		4.00
Bedford Road							0.30	12.00
MacGilivary Road						0.80		0.80
Reg McInnis Road						1.80		
Battery Road		0.20	0.30			2.40		1.30
Old Bedford Road	0.50					3.30		0.50
Horne Cross Road								6.00
Fort Augustus Road								13.30
Millcove Road						2.20		0.50
Monaghan Road								7.00
Mt. Stewart Road				1.00				5.00
Pisquid Road								4.00
Pt. DesRoches Road						6.10		6.00
Queen's Point Road						2.90		3.00
Simmons Lane Road						3.00		3.00
Tracadie Harbour								2.00
Watts Road			0.10			2.10		2.10
Portage Road						3.80		4.00
Old Cardigan Road						4.40		3.00
Joey's Road						1.70		
Blooming Point Road								7.00
Corrigan Road			0.50			2.70		3.00
Beach Road						1.00		
MacDonald Road		0.50				1.60		2.00
MacIntyre Shore Road						1.10		1.10
Brackley Point Road					0.20			18.00
Covehead Road								10.00
East Suffolk						1.00		3.50
Fristen Road							0.70	3.50
Hardy Mill Road								2.00
Pleasant Grove Road								6.00
St. Peter's Road								16.00
Frenchfort Road	0.50				0.30	5.50		

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Guerney Road		0.70	0.50	0.70	0.70			
Donaldston Road								3.00
Bob Laird Road				0.20				
Parker Cross Road				0.20		2.60		
Malpeque Road				0.30				
Rustico Road								10.00
Sleepy Hollow Road				0.20				
Union Road								7.00
Winsloe Road								14.00
Anderson Road						6.00		
Dougan Road						1.80		
Garland Road			0.20		0.10	2.50	0.10	
Kilkenny								3.00
Creek Road								3.00
Highbridge Road						5.30		
Ebenezer Road								7.00
Wildcat Road						1.00		
Unpaved roads scraped						16.70		
Total	**1.00**	**1.40**	**1.60**	**2.60**	**1.30**	**92.80**	**1.10**	**196.60**

Queens 4 Central Region - Maintenance Activities

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Appin Road			0.20			0.20		
Balakalava Road	0.20							
Baltic Road				0.10				
Beagan Road			0.30			0.30		
Black Creek Road			0.10		0.10			
Bolger Park			0.20					
Bonshaw Road					0.30			
Callaghan Road	0.20		0.70			0.70		
Clarkin Road	0.10							
Collette Road			0.10					

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Colville Road				1.40				
Collette			0.20			0.20		
Cornwall Road				0.60				
Cottage Road		0.10			0.10			
Cumberland Line Road		1.00				1.00		
Currie Road		0.20	0.30		0.10	0.20		
Elliot River Road	0.10					2.00		
Ferguson Road	0.10				0.10	0.10		
Halls Lane			1.00	0.30		1.00		0.10
Highland Park Road	0.10		0.50	0.10		0.50		
Hyde Point Road			0.20					
Kingston Road								10.00
Lakeview Drive				0.20				
Linwood Road				0.30		0.30	0.30	0.30
Maplewood Road		0.10						5.00
McKenna Road			0.20			0.20		
Mill Road Hampton								
Mill Road Warren Grove		1.00				1.00		
Mill Road Wiltshire			0.10			0.10		
Monument Road			0.30		0.30	0.30		0.30
North York River Road				0.10				0.10
Oyster Shack Road								
Rocky Point Wharf	0.10							
Warren Grove Road								3.00
Rocky Pt., Rt 19				0.30				0.10
York Point Road	0.10					0.10		
Peters Road					0.20			4.00
Ross Road	0.20							
Upper Meadowbank Road				0.60				3.00
Riverdale Road				1.00				6.00
South Melville Road				0.10	0.10			5.00
Wynn Road								0.10
Perley Shaw Road		0.30				0.30		
Memory Road								2.00

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Mill Road, Crapaud	0.10					0.10		
Highland Park			0.70					0.10
Rte 13				1.70				
Rte 225								7.00
Wharf Road, York Point								0.10
Total	**1.30**	**2.70**	**5.10**	**6.80**	**1.30**	**8.60**	**0.30**	**46.20**

Queens 5- Central Region - Maintenance Activities

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Adams Rd N. Granville						1.20		
Adams Rd, Stanley Bridge						0.12		
Alton MacLean Road						2.60		
Bernard Road			1.00					
Bertram Road						2.00		
Buntain Road						0.40		
Campbell's Pond			0.40			1.00		1.50
Cape Road, Rustico						1.80		1.50
Cape Rd, Park Corner			0.20			1.20		
Cove Road						0.20		
Dump Road, Cymbria						1.40		
Fredericton Station Road						2.10		
Grady Road			0.10			2.30		
Harding Creek Road					0.20	0.60		
Hazelgrove Road						2.60		1.00
Hot Dog Road						0.70		
Howatt Road			0.30		1.00	2.60		
Howatt Rd Ext.						0.80		
Clifford Lane						1.00		
Cobb Road						1.90		
Junction Road						3.35		

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Johnstone Road			0.20		0.40	2.90		
Long River East			0.40			1.20		
New London Road						1.40		
Old Springton Road						1.25		
Old Princetown Road						2.60		
Princetown Road East						0.90		
Princetown Road West						1.70		
Rattenbury Road				0.50				
Rte. 6, Clinton				0.48				
Rte. 13				3.10				
Rte. 20, Seaview					0.20			
Snowie Road			0.25		0.25			2.50
Pickering Road								1.10
Cousins Shore			0.30		0.15	0.80		0.50
North Road						2.40		4.00
Marks Road						0.65		
Rustico Road				0.83				6.00
Taylor Road						1.50		
Toronto Road		0.35	0.20			2.60		2.00
Pine Grove Road								2.00
McCourt Road			0.20			3.50		0.50
Smith Road								2.00
Irishtown Road								5.00
Millvale Road	0.25		0.20	0.80	0.50	3.70		4.00
Wharf Rd, Anglo Rustico						0.55		
Elton MacLean						2.50		
County Line, Rte 232						1.75		
County Line N.						1.30		
Warburton Road						5.00		
Center Road								3.00
Bumble Bee			0.20		1.00			2.00
Toronto Road								4.00

	in kilometres							
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Eddy Murphy Road						0.60		
Art Ford Crossroad						2.00		2.00
Millman Road			0.10			1.55		
Millboro Road								1.80
Mt. Tom Road						0.70		
Houston Road			0.35		0.20	1.60		2.00
Brander Pond			2.50			1.10		
Little Bungy						1.20		0.10
Perry Road						2.20		
Woodside Road			0.35		0.35	0.90		1.00
Broadway		2.50				0.80		
Coulson Road						0.50		
St. Andrew's Road			0.25		0.10			
St. Patrick's Road				0.45		1.20		
Long River West						1.70		
Graham's Road				0.30				
Cavendish Road				0.30	0.20			
Buffalo Road						1.90		
Mill Road Dixon						1.30		
Mill Road, Rte 2						1.30		
Old New London Road					0.25			
Seaman's Road						0.75		
Smith Road			1.00	0.38	2.00	2.90		
Simpson Mill Road								
Settlement Road			0.10			1.30		
Trout River Road				0.20		2.75		
New Orleans					0.15			
Howard Road			0.40					
Breadalbane Road						2.40		
New Glasgow Road				0.94	0.03			
Unpaved roads scraped						0.30		
Total	**0.25**	**2.85**	**9.00**	**8.28**	**6.98**	**99.02**	**0.00**	**49.50**

CENTRAL REGION: WINTER MAINTENANCE

Winter activities in Central Region involved salting, sanding and snow removal. Temporary cold patching of paved roads, water drainage and washout repairs were also carried out, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public. There were 32,287.64 tonnes of salt purchased for salt-only

and 50/50 mix for ice control. The region purchased 1,435.13 tonnes of salt to blend with its winter sand. The blended winter sand consisted of a mixture of six percent salt, 30 percent imported, 1/4" minus stone and 70 percent local sand. This material was stored at nine sites throughout the Region. 33,722.77 tonnes of blended winter sand was purchased for use in the Region.

Ice Control

Ice control on 185 kilometres of the main highways in the Region (a two-lane equivalent of 249 kilometres) was maintained by the direct application of road salt. Eight tandem and four single-axle trucks, equipped with automatic spreader gear were used for salt application. Department trucks were utilized to provide this service in the Charlottetown Perimeter Highway and the Town of Stratford.

Sanding Operations

Approximately 1,345 kilometres of secondary roads were maintained with blended winter sand/salt applications. Sanding operations were carried out by five sanding contractors using department installed hoppers and spreaders. Winter sanding contractors completed their one-year contract. In addition, six tandem and five single axle trucks were utilized to provide sanding service in Cornwall, Stratford, and the remaining collector roads in Queens County.

City of Charlottetown

The Department carried out snow and ice control on 23 kilometres of main streets in the City. The City of Charlottetown purchased 9,669.81 tonnes of salt and 1,223.38 tonnes of blended sand from the Department.

Snowfall Records

Total snowfall recorded by Environment Canada recording station volunteers in the Central Region was:

Location	Recorded (cm)
Elmwood	496.8
Long River	270
New Glasgow	370.5
Charlottetown	445.1

Snow Fence Report

The Department installed approximately 14,100 feet of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

Contracted Services

The following is a breakdown of the contracted sanding and snow removal services for the second year of a seven-year contract with private contractors.

Contractor	Kilometres Plowed
Island Coastal East	94.53
Birt & MacKay	93.74
M & M Resources	88.80
Island Construction	132.20
Island Excavators	109.65

Contractor	Kilometres Plowed
Maritime Construction	116.13
Matheson Construction	100.15
Matheson & MacMillan	88.77
Westisle Construction	147.74
Total	**971.71**

The Department was responsible for plowing 726 kilometres of highway. To this end, 24 plow routes and six blower routes were established. The following equipment was assigned and located as follows:

Central Region

Location	Kms	Graders	Blowers	Loaders	Trucks
TCH West - Charlottetown to Crapaud	32.1				2
St. Peters Road - Charlottetown to St. Peters	31.3				1
TCH East Charlottetown - Eldon	35.4				1
TCH Eldon - Wood Islands & ½ of Selkirk Rd	43.6				1
By-Pass - Charlottetown	5.6				1
Charlottetown Rte. 2 - Summerfield	37.3				2
Route 225 & Colville Road	35.4				1
Route 235 & 13	32.5				1
Rustico Road, Cavendish Road	29.5				1
Cornwall Subdivision	10.0	1			
Cornwall Subdivision - Cornwall Road to Kingston Road	12.1	1			
New London, Stanley Bridge, Cavendish, Kensington & Malpeque	32.1	1			
Ebenezer, Mayfield and section of Rennies Rd.	29.8				1
Rustico	18.1			1	
Cornwall, York Point	17.2			1	
Rice Point & Rocky Point	34.3				1
Meadowbank, Ferry, York Point & section of Upton Road	30.9				1
Stratford Road	52.3	1		1	
Murray Harbour, Kinross Road & section of Selkirk	39.5		1		1
Ft. Augustus Road to Pisquid	20.7				1
Hillsborough Bridge & Kinlock Road intersections & Government buildings (salt)	8.0				1
Charlottetown mains	29.4				2
Pownal, Crossroads, Stratford Road & Keppoch	32.5				1

Location	Kms	Graders	Blowers	Loaders	Trucks
Garage parking lots				1	
Government building lots			1	2	
Section of Lr. Malpeque Road, Sleepy Hollow Rd	18.9				1
Brackley Point, Portage & section of Union Road	24.4				1
Bedford Road, Eastern, Black River & section of York Road	27.3				1
By-pass, off ramps, hospital entrance	6.1				1
Central Region (used where needed)			4		
Spares		2		1	2
Total	**726.3**	**6**	**6**	**7**	**26**

WESTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the June to October. A total of 17,453.56 tonnes was used by the branch for repairing the Province's paved road network in the Western Region. This asphalt was financed from the Division's operating and capital maintenance budget. Hand patching crews spread 2,978.314 tonnes. Private contractors supplied/placed 14,475.25 tonnes of asphalt over 20.96 kilometres.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIER	TONNES
Curran & Briggs	17,453.56
Total	**17,453.56**

Resurfacing

The following roads were resurfaced by private contractors through supply & place contracts resurfacing approximately 20.96 kilometres.

Prince Zone P-1

Road Name	Kilometres
Carleton Street Borden	0.79
Kelvin Road	1.06
Sherwood Forest Subdivision	0.48
Freetown Road	0.80
Total Kms	**3.13**

Prince Zone P-2

Road Name	Kilometres
Rte 20 Indian River	0.81
Rte 20 Baltic	1.24
Wilfred St Miscouche	1.08
Rte 124 Urbanville	1.02
Total Kms	**4.15**

Prince Zone P-3

Road Name	Kilometres
Allen Road	0.83
Rte 12 Bayside	1.00
Northam Road	0.50
Rte 166 Bideford	0.63
Richards Road	1.07
Murray Road	0.97
Rte 12 Foxley River	0.63
Beaton Road	0.62
Boulter Road	0.34
Kennedy Road	0.19
Hebron Road	0.77
MacAllar Road	0.48
Total Kms	**8.03**

Prince Zone P-4

Road Name	Kilometres
O'Rourke Road	0.86
Centerline Road Alma	1.2
Centerline Road Montrose	0.40
Marchbank Road	0.57
Albion St / Popular St	0.50
Deblois Road	0.77
Mill Rd Tignish	0.39
Old Martin Road	0.71
Ascension Road	0.29
Total Kms	**5.69**

Bush Cutting

During the season, three government mechanical bush cutters cut bushes along the highway. Approximately 474.8 kilometres were cut. The Division also used a mechanical brush chipper and crew to eliminate the need to haul away the slash.

Road Maintenance

During the year, seven graders in the county carried out grading services on the unpaved road network. This would include 298 kilometres of seasonal roads and 221 kilometres of year-round unpaved roads. In some cases, roads were also ditched and loaders and trucks were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

Sandstone	Gravel	Gabion Rock	Other	Milings
13798	24241	226	5693	2870

Sandstone and/or gravel was placed as a new surface material, and new culverts, driveway or cross pipes were installed as required. This work was financed through regular maintenance and capital budgets. On the paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included department or privately-owned ditching machines and trucks. New culverts were installed as required for new entrance ways and removal.

The amount of culvert material installed in the Western Region can be found under the section *Polyethylene and Corrugated Steel Drainage Pipes.*

Guardrail and Roadside Maintenance

Maintenance crews were employed within the county to repair damaged sections of guardrail. Also, these crews cut grass and weeds around guardrails and guideposts in each zone.

Grass Cutting

The Department contracted five private grass cutters to maintain 838.8 kilometres of roadside grass. These contractors were contracted to cut grass from the middle of June until the end of September. In addition, Department tractors were utilized for roadside grass cutting on arterial collectors and scenic drives of approximately 816.92 (2 passes) kilometres throughout the Region.

Shoulder Material

During the season, shoulder material was used to upgrade and repair low sections of shoulders.

Dust Control

Maintenance crews used 699 twenty-kilogram bags of flaked calcium chloride to control dust in specific locations. Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of 260,765 litres was used to treat 109.80 kilometres of road.

The accompanying tables give location and extent of work done in each Zone during the year.

Prince Zone P- 1 Western Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Read St, Bedeque						0.10	
Fernwood Road	0.90			0.90			
Freetown Road	2.00			2.00			
Kelvin Grove Road	2.00			2.00			
Blueshank Road	3.00			3.00			
Mill Road, Freetown	0.75			0.75			
Rte 10, N. Carleton	2.00			2.00			
Sherwood Forest	0.40			0.40			
Baker Shore Road		0.20					
Gardiner Road		0.15					
Middleton Road		0.25					
Bedeque Rink Road		0.18					
MacQuarrie Road		0.10	0.10				
Drummond Road		0.16					
N Freetown Road		0.12					
Murphy Road		0.10					
Boodle Road		0.10					
Crank Road		0.10					
MacPherson Road		0.14					
Campbell Rd (Freetown)		0.10					

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
County Line Road (Margate)		0.10					
Lower Tryon Road		0.18					
Salutation Cove Road		0.20					
Duffy Road			0.20				
Old Town Road			0.10				
Campbell Pt Road			0.25				
MacDonald Road			0.30				
Walsh Road			0.36				
Tryon Church Road			0.10				
Tryon Point Road			0.10				
Total	**11.05**	**2.18**	**1.51**	**11.05**	**0.00**	**0.10**	**0.00**

Prince Zone P- 2 Western Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Rte 11, Cape Egmont					0.49		
Baja Road					0.22		
MacIsaac Road					0.22		
Old Tory Road					0.10		
Belmont Park Road					0.20		0.23
Linkletter Park					0.26		
Rte 11, Linkletter					0.24		
Murphy Road					0.34		
Rte 104, Hamilton Loop					0.30		
Rte 104, Back Margate					0.20		
Rte 104, Heckbert Road					0.30		
Flag Pond Road					0.20		
Union Corner Park Road					0.20		
Shipyard Road					0.20		

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Rte 11, Union Corner					0.20		
Waite Road					0.18		
Rte 11, Mont Carmel						0.15	
Ramsay Road							0.40
Locke Shore Road							0.20
Hall Road							0.70
Little Marsh Road							0.60
Lyle Road							0.40
Cannontown Road							0.35
Rte 177							0.60
Kinfolk Road							0.14
Total	0.00	0.00	0.00	0.00	3.85	0.15	3.62

Prince Zone P- 3 Western Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Shaw Road					0.17		
Boulter Road					0.74		
Canada Road					0.08		
Rte 12, Freeland					0.17		
Oatway Road					2.10		
Hebron Road					0.38		
Rte 14, West Cape					0.26		
Rte 12, Bayside					0.39		
Maple Leaf Lane					0.50		
Enman Shore Road					0.05		
Ferry Road					0.43		
Rafferty Road						0.53	
Smallwood Road		0.40					

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Koughlan Road		0.20					
Total	**0.00**	**0.60**	**0.00**	**0.00**	**5.27**	**0.53**	**0.00**

Prince Zone P- 4 Western Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Ramsay Road				1.00			
MacLellan Road			0.10	0.80			
Palmer Road South		0.17		0.60	0.40		
Botts Road	0.03		0.08	0.50			
Pleasantview Road				0.40			
Centerline Road		0.16		0.20			
Trainor Road		0.22		0.20			
Butcher Road		0.22		0.20			
Sheilds Road			0.10		0.28		
Leoville Road					0.13		
Christopher Road		0.20			0.37		
Mansfield Road					0.17		
Centerline Montrose				0.40			
Marshbank Road				0.60			
O'Rourke Road				0.70			
Deblois Road		0.25		0.80			
Palmer Road North		0.20					
Gaudet Road Tignish		0.11					
Old Western Road		0.07					
Pridham Road		0.15					
Fulton Road			0.11				
Foy Road		0.11					
Souwest Road		0.23					
Ashley Road		0.28					

Prince Zone P- 4 Western Region - Maintenance Activities

	in kilometres						
Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Tap Drains**	**Bush Cutting**
Jerry Road		0.10					
Farley Road		0.12					
Joe Pete Road		0.17					
Piusville Road		0.09					
Murray Road		0.11	0.05				
Blanchard Road		0.15					
Roxbury Dump Road		0.11					
Total	**0.03**	**3.22**	**0.44**	**6.40**	**1.35**	**0.00**	**0.00**

WESTERN REGION: WINTER MAINTENANCE

Winter activities in the Western Region involved salting, sanding and snow removal. Temporary cold patching of paved roads, water drainage and washout repairs were also carried out, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public. 13,484 tonnes of salt were purchased for salt only and 50/50 mix for ice control, 1,924 tonnes to blend with its winter sand were used. The 38,370 tonnes of blended sand purchased by the Region includes amounts for Reserve piles. This blended material consisted of a mixture of six percent salt, 30 percent imported, 1/4" minus stone and 70 percent local sand. This material was stored at nine sites throughout the Region.

Ice Control

Ice control on sections of Highway 1, 1A, 2 East, 2 West, 153 and sections of 142, 150 and 152, as well as Tignish, O'Leary and Alberton main streets, including 190.65 kilometres of road, were maintained by direct salt application.

Sanding Operations

Approximately 1,366.34 kilometres of secondary roads were maintained with blended winter sand/salt operations Sanding operations were carried out by two sanding contractors using department installed hoppers and spreaders, 10 snow contractors and four government sand trucks. Winter sanding contractors completed their one-year contract.

Snowfall Records

Total snowfall recorded by Environment Canada recording station volunteers in the Western Region was:

Location	Recorded (cm)
Alberton	37.3
Slemon Park	400.3

Snow Removal Contracted Services

The following is a breakdown of the contracted snow removal services:

Contractor	Kms Plowed
101364	98.20
Acadia Construction	98.17
AJL Ltd.	89.08
Clearview Construction	163.43
Curran & Briggs Ltd.	195.76
Duffy Construction	108.10
Matthew's Lime Spreading	87.35
Northern Enterprises Ltd.	88.51
Island Coastal West	174.71
Total	**1103.31**

The Department was responsible for plowing 461.98 kilometres of highway. To this end, 17 plow routes were established. The following equipment was assigned and located as follows:

Western Region

Location	Kms.	Graders	4 x 4	Blowers	Loaders	Trucks
Tignish	40.20					1
Cascumpec / Alberton	34.64		1			
Bloomfield	29.34					1
Alaska	25.70	1				
Tyne Valley	23.43		1			
Stanley Bridge	32.07	1				
Albany Rte 1	23.44					1
Kinkora	28.06					1
Albany / Rte 10	30.20		1			
Summerside, Rte 1A	21.51					1
Slemon Park	14.57				1	
Wellington / Rte 11	26.60					1
Summerside West	32.38					1
Summerside, Rte 2 East	22.11					1
Freetown/Blue Shank	26.87	1				
O'Leary	25.02					1
St Louis	25.84	1				

Location	Kms.	Graders	4 x 4	Blowers	Loaders	Trucks
Summerside /Alma spares		2	0	5	1	2
Total	**461.98**	**6**	**3**	**5**	**2**	**11**

CONFEDERATION TRAIL MAINTENANCE

Maintenance Crews performed work on the approximately 444 kilometres of the Confederation Trail.

Activity	Total
Vegetation Control	444 kilometres
Culvert Replacements	80 metres
Ditching	14.8 kilometres
Bush Cutting	62.3 kilometres
Pre-development	21 kilometres
Groom & Roll	92 kilometres
Groom& Resurface	28 kilometres

MECHANICAL BRANCH

Expenditures

Operating budgets for the Mechanical Branch and Fleet Operations during the year totalled $16,042,800. The budget appropriation was distributed as follows:

Activity	Total
Charlottetown Garage Direct	4,152,700
Charlottetown Garage Indirect	1,122,700
Bridgetown Garage Direct	1,856,200
Bridgetown Garage Indirect	326,600
Summerside Garage Direct	3,026,400
Summerside Garage Indirect	142,000
Western Region Operators	1,538,800
Central Region Operators	2,503,900
Eastern Region Operators	1,373,500
Total	**16,042,800**

Equipment

Government's Corporate Fleet

Transportation and Infrastructure Renewal maintains overall responsibility for the management of the Provincial Government's Corporate Fleet. Department staff work closely with line departments in the overall management of fleet vehicles. This streamlined approach includes assessment of vehicles to determine appropriate replacement schedules, updating vehicle specifications to support operational needs, and identifying opportunities for reallocation of vehicles in the broader government fleet in an effort to maximize each vehicle's useful life.

During the 2013/14 year, a total of $864,010 in Capital Budget allocations was invested to upgrade the Provincial Government Corporate Fleet. The Corporate Fleet includes vehicles categorized as passenger cars, vans and trucks of approximately 1.5 ton or less.

Light Fleet Purchases

Quantity	Equipment Purchased
7	Half ton 4x4 Ext Cab
3	Passenger Van (15)
2	Half Ton 4x4 Reg Cab
3	Half Ton 4x2 Reg Cab
2	Wheel Chair Van
3	Compact Car
3	Passenger Mini Van
2	Cargo Van
3	One Ton Dump 4x2
1	One Ton Fleetside
29	**Total Vehicles Purchased**

Heavy Fleet

The sum of $1,000,000 was allocated for the Capital heavy equipment account, which includes all commercial vehicles exceeding four ton and other heavy equipment such as loaders, tractors, bush cutters and attachments associated with the operation.

Heavy Fleet Purchases

Quantity	Equipment Purchased
1	Rotary Grass Cutter
2	Standard Transmission Tandem Trucks
2	Automatic Transmission Tandem Trucks
1	Heavy Duty 60" Side Flail Mower
5	Utility Trailer
1	Fuel Truck
1	Zero Turn Lawn Tractor
1	Aluminum Flat Deck
2	Load Trail Trailer
3	Snow Plow Accessories Tandem Truck
1	Tractor Push Blade (snow)
1	Boom Truck Fit Up
1	Snow Blower

Each year this report includes a table to show the average fleet ages for active units as an indicator of the progress of the Fleet Replacement Program. The ideal number in the "% Units Over Half Age" column is 50%. At any given time, half of the vehicles in the fleet should not be older than, 50% of the Optimum life and 50% should be younger than half age. The table shows that the government wide corporate fleet and Mechanical Branch heavy fleet continue to be over-aged and identifies the problem areas.

2013/14 Fleet Age Indicators

		In Years			
Unit	**Quantity**	**Optimum Life**	**Target Average Age**	**Actual Average Age**	**Percentage Half Age**
Corporate fleet	367	6	3	5.2	77%
Single axle	11	10	5	11	100%
Tandem	41	10	5	7	70%
4 x 4	16	20	10	26	100%
Grader	24	20	10	24	96%
Loader	22	20	10	20	77%
Self propelled blower	12	25	12	26	83%
Loader mount blower	8	20	10	8	25%
Tractor	23	20	10	13	61%
Grade-all	2	20	10	20.5	100%
Spreader	2	20	10	21.5	100%
Rollers	31	20	10	8	29%
Sand hopper	22	20	10	16	82%
Trailer	68	20	10	12	57%
Crack filling	1	10	5	4	0%
Skid steer	1	10	5	2	0%
Self propelled lawn tractors	6	5	2.5	4	33%
Shouldering machine	2	20	10	4	0%

Replacement Program
Each year, Department staff conduct a review of the equipment to determine an appropriate replacement program. This program identifies the most immediate needs of the Department, namely operational requirements, and the replacement of existing equipment that has exceeded the useful life cycle. This program identifies the equipment requirement for years one through five and the annual costs necessary to accomplish it. The equipment is aging and the Department has not been able to keep up with demands of an aging fleet.

Systems
The Fleet Management System continues to be utilized to provide an account of the operating and maintenance costs associated with the Department's fleet of vehicles. An update to the Fleet Management System was completed, while work has continued on the review of existing data and processes. Reports have been reviewed and required updates identified for implementation in the coming year. This project is anticipated to continue throughout the next year.

Key Result Areas
Achievements of key result areas were as follows:

Financial Control:
The measure for financial control is budget achievement. During the year, expenditures exceeded budget forecasts as a result of expenditures on repairs to heavy fleet equipment attributed to an aging fleet and the resulting increased costs of parts. Also, with the higher price fluctuations of heating fuel, diesel and gasoline it has been very challenging for maintenance operations with many pieces of heavy equipment and multiple large repair facilities utilizing significant volumes of fuel.

During the 2013/14 year the Province identified surplus parts and equipment that were no longer required to meet operational demands. Surplus parts and equipment were disposed by public auction. Inventories were counted and adjusted to reflect the reductions in all five mechanical facilities and the Body Shop in June 2013.

Safety:
The Department continues to promote safety awareness by looking at methods to allow for safer work environments and educate the work force in areas of safety.

Training:
The Mechanical Branch continues to consider training a priority and therefore provided training in a number of areas including:

- First Aid
- Welding Apprentice Training / OJT
- Dangerous Goods
- Driver Refresher Course
- Engine Diagnostics
- Forklift Operation
- Tire Installation
- Mechanic Apprenticeship Training / OJT

POLICY AND PLANNING

The Policy and Planning Section is responsible for the assessment and analysis of transportation requirements and policies within the Province, including road, air and marine modes. This section also provides professional engineering support and direction, as resources permit, in the following areas:

- strategic and functional highway planning;
- participation in numerous Federal/Provincial/Territorial committees working on transportation policy issues;
- strategic federal policies, regulations, infrastructure and services on Prince Edward Island;
- creation of briefing packages for national and regional meetings attended by the Minister and Deputy Minister;
- creation of preliminary design options;
- department representation during the planning and implementation of infrastructure development projects on behalf of municipalities and community development groups;
- preparation and review of traffic studies, site impact analysis, and level-of-service analysis;
- facilities planning;
- project management support and supervision for special projects relating to transportation planning, design and highway construction; and
- support and planning with regard to the implementation and management of transportation research initiatives and new technologies which have the potential to contribute to the enhanced economic development by improving safety and efficiency on the provincial highway network.

Planning Section staff represent the Province on several national, international, regional, and provincial committees, including the following:

- Aviation Standing Committee
- Policy and Planning Support Committee (PPSC)
- National Highway System Review Task Force
- National Vision for Transportation in Canada Task Force
- 511 Traveler Information Task Force
- Sustainable Transportation Task Force
- Intercity Bus Service Task Force
- Atlantic Canada Airports Association
- Board of Examiners, Land Surveyors Association (Chair)
- Atlantic Provinces Transportation Committee
- Atlantic Intelligent Transportation Systems Committee
- North Atlantic Transportation Planning Officials
- Atlantic Provinces Transportation Forum
- Canadian Transportation Research Forum

In addition, the Section is responsible for monitoring activity and progress of various other committees and task forces where relevant.

The Policy and Planning Section was involved in various projects, including the following:

National Highway System
Following the success of the Department's efforts to expand the National Highway System (NHS) in 2004 and 2005, work has continued on the F/P/T NHS Review Task Force to address the need for ongoing review of the NHS and development of a regular report card on NHS condition and performance nation-wide. On PEI, Routes 1, 1A, 2, and 3 comprise the NHS.

Atlantic Canada Transportation Strategy
At the direction of Atlantic Ministers of Transportation, a task force was formed in the Fall of 2005 to develop an Atlantic Canada transportation strategy. The Planning Section represents the Province on this task force. The strategy document, entitled *"Charting the Course: Atlantic Canada Transportation Strategy 2008-2018"* was released by Atlantic Ministers responsible for transportation in January 2008. The strategy identifies a common vision for regional transportation, strategic regional multi-modal infrastructure, challenges facing transportation in Atlantic Canada, and an action plan to address these challenges. Progress on issues identified in the Strategy is measured each year, and an annual progress developed.

Transportation Infrastructure Needs
The assessment of road infrastructure needs is ongoing. Road infrastructure needs are monitored regularly and summarized often to quantify the need, enabling effective planning for infrastructure funding. The Province's National Highway System is the primary highway in the Province; monitoring and addressing its infrastructure needs remains a priority. To this end, the Planning Section works with the Capital Projects Division to update the need assessment for this network as required, including road and bridge reconstruction and rehabilitation.

Transportation and Infrastructure Renewal Strategic Plan, 2012-2015
Section staff led other Department staff in the development of a strategic plan for the Department. This plan identifies key challenges and trends facing the Department and key goals, performance measures, and actions planned over the next three years. The Section is responsible for monitoring and reporting on progress toward these performance measures.

National Vision for Transportation in Canada
Section staff represented the Department and Province in the ongoing development of a national vision for transportation, covering the next 20 years. The development of this document is being led by the national Council of Ministers Responsible for Transportation and Highway Safety. It will identify challenges and trends facing transportation nationwide, and will make a case for and guide transportation infrastructure investment going forward.

INFRASTRUCTURE SECRETARIAT

The Infrastructure Secretariat is a joint Provincial - Federal Office, responsible for administering infrastructure funding programs for Prince Edward Island. The office houses three full-time Provincial employees and one full-time Federal employee.

Within the reporting period, six infrastructure programs were in operation:

- Gas Tax Extension (GT) Program;
- Canada-PEI Municipal Rural Infrastructure Fund (MRIF);
- Building Canada Fund - Communities Component (BCF-CC);
- Building Canada Fund - Major Infrastructure Component (BCF-MIC);
- City of Charlottetown - Spring Park Storm Separation Sewer Separation; and
- Provincial Infrastructure Fund (PIF)

INFRASTRUCTURE PROGRAMS

Gas Tax Fund (New Deal for Cities & Communities) and Extension program

The Gas Tax program became active on November 22, 2005 with the signing of the Agreement. The Agreement provides the Province with $37,500,000) over 2005-2010. An extension to the program was announced on September 8, 2008, totaling $60 million for a four-year period from 2010-2014.

The Gas Tax Extension Agreement for the Province of Prince Edward Island has four program areas:

• Direct Allocations to the 26 Water and/or Sewer Communities	$30.0 million
• Community and Capacity Building (plus program admin)	$12.0 million
• Municipal Services provided by the Province (Roads and Bridges)	$18.0 million
	Total $60.0 million

All projects undertaken with Gas Tax Funding must fall within the eligible project categories, which are: wastewater, water, solid waste, public transit, community energy systems, active transportation infrastructure and capacity building.

The Province started the 2013/14 fiscal year with a carryover of undistributed 2012/13 Gas Tax funds totaling $2,801,784. The Province then was entitled to receive $15,000,000 from Canada as part of their four-year allocation from the extension agreement. The available dollars for spending totaled approximately $17.9 million of which $15,345,347 was transferred to eligible recipients.

Direct Allocations to the 26 Water and/or Sewer Communities

In order for the 26 water and/or sewer communities to receive the bi-annual funding instalments, they needed to supply Capital Investment Plan(s) to the Secretariat for review. In 2013/14 the Infrastructure Secretariat received an additional four new and amended projects committing all the required municipal Direct Allocations funds for the program. A total project cost of $2,135,297 of which municipalities directed $1,413,297 of their own Direct Allocation funds towards. The Direct Allocations to the municipalities released in 2013/14 was $7.5 million.

Community and Capacity Building (plus program admin)

In the Gas Tax Extension Agreement an additional $12.0 million was established for the Community and Capacity Building Fund, as well as for the programs administration. Administrative costs have been approved at $600,000; leaving a minimum of $11.4 million for the Community and Capacity Building Fund.

It was decided by Management Committee to divide the Community and Capacity Building funding into two separate funding programs: 1) Community Fund; and, 2) Capacity Building Fund. Each of these programs is application based, and requires Guidelines and Criteria, which were approved by Management Committee.

The Gas Tax Agreement seeks to foster sustainable cities and communities, which can achieve a higher quality of life and standard of living. The Communities Fund was amended in June 2010 to open it to all those who receive a direct allocation and those who do not provide water and/or sewer, but who wish to undertake other infrastructure initiatives. All projects must fall within the eligible categories established in the original Gas Tax Agreement.

Community Fund

The Management Committee approved the amended Community Fund Guidelines and Criteria in April 2011, opening the funds for those who received a direct allocation. In 2013/14, five projects were approved for funding with a total cost of $3,339,240 of which $2,006,432 is Gas Tax funds.

Capacity Building Fund

The vision of sustainability reflected in the Agreement integrates the four independent dimensions: cultural, social, economic, and environmental. Within this context the "Capacity Building Fund" has been established to assist communities to enhance their capacity to achieve and maintain long term sustainability.

The CBF is used towards soft cost projects, such as system wide planning, official plan and bylaw creations, infrastructure planning, land use studies and sustainability projects. There were seven projects approved in the 2013/14 fiscal year with a total cost of $410,730 of which $342,838 is Gas Tax funds.

Municipal Services provided by the Province (Roads and Bridges)

Through the Gas Tax funding for the Municipal Services provided by the Province (roads and bridges), $18 million has been approved over 4 years. All projects will be carried out by the provincial Department of Transportation and Infrastructure Renewal (TIR). Projects include: Rte 25 Stanhope, Alberton Storm Sewer Rte 12, Miminegash, Keppoch Road, Stratford, North Rustico Subdivision off Rte 6, Pleasant Grove, Rte 1 Borden Carleton, Rte 2 St. Eleanor's, Rte 1 South Pinette, North Rustico, Timber Lane Road, Tignish Storm Sewer, Loane Bridge, Cornwall (Ferry Road) and Canoe Cove Bridge. Total cost of projects and Gas Tax funds used was $5,006,787.

Municipal Rural Infrastructure Fund (MRIF)

On April 27, 2005 the $54 million Municipal Rural Infrastructure Fund (MRIF) was announced. Eligible applicants for MRIF funding include municipalities, unincorporated areas and community organizations. MRIF funding consists of equal share contributions between the Federal, Provincial and Municipal Governments.

As of March 31, 2014, all available funds under the MRIF program had been committed. Ninety-seven projects were approved, totaling just over $63.5 million. The MRIF program was officially closed out by the Federal government on March 31, 2014.

Building Canada Fund – Communities Component (BCF-CC)

The Building Canada Fund – Communities Component (BCF-CC) is one part of the Building Canada Fund. The BCF-CC program is partnered with the Building Canada Fund – Major Infrastructure Component (BCF-MIC) program. Total funding of $35.25 million was allocated to the Province, with $22 million going to BCF-CC and $13.25 million going to BCF-MIC. A further $2.1 million was announced for Build Canada Communities Component Top-Up (BCF-CC TOP-UP) project.

BCF-CC is an application-based program open to local governments, non-profit groups, for-profit corporations, and the Province (where it provides municipal services to non-incorporated communities). The BCF-MIC program deals mainly with larger projects which are priorities of government, and projects are mainly approved through a series of negotiations between the applicant, the Province, and the Federal government.

There are eighteen categories eligible under the BCF-CC program:

Water Infrastructure
Wastewater Infrastructure
Public Transit Infrastructure
Green Energy Infrastructure
Disaster Mitigation Infrastructure
Solid Waste Management Infrastructure
Brownfield Remediation
Culture Infrastructure
Collaborative Projects
Connectivity Infrastructure
Sport Infrastructure
Local Road Infrastructure
Short line Rail Infrastructure
Tourism Infrastructure
Short Sea Shipping Infrastructure
Regional and Local Airports
Recreational Infrastructure
Core National Highway System

As of March 31, 2013, there were 64 approved projects valued at $71.5 million, including the Top-Up project. In the FY 2013/14, projects made claims totaling $1,355,733, as shown in Table 1 – Building Canada Communities Component Actual Spend – FY2013-2014.

Table 1 – Building Canada Communities Component Actual Spend – FY2013-2014

Building Canada - Communities Component			
Applicant	**Project Name**	**Total Cost**	**FY2013/14**
Alberton	Main Street Sewer Line Replacement	$ 80,520	$ 33,544
CARI Complex	Energy Retrofit	$ 1,564,720	$ 5,800
Charlottetown	Miltonvale Municipal Well Drilling and Access Road	$ 696,174	$ 43,223
Charlottetown	Miltonvale Wellfield Piping and Control Building	$ 1,303,826	$ 10,832
Crapaud	Wastewater Treatment Facility Upgrades	$ 1,612,800	$ 102,548
Environmental Industrial Services	Improvements to Brudenell Treatment System	$ 80,000	$ 23,725

Building Canada - Communities Component			
Applicant	**Project Name**	**Total Cost**	**FY2013/14**
North Rustico	Riverside Drive Watermain Extension	$ 133,680	$ 49,940
O'Leary	Kent Street Sewer Main Replacement	$ 149,000	$ 77,082
Resort Municipality	Seawood Estates Sanitary Sewer Extension	$ 1,160,880	$ 6,097
Stratford	Bouyer/Fullerton's Creek Municipal Wellfield	$ 2,143,798	$ 798,286
Stratford	Victoria View to Langley Water Connection	$ 145,000	$ 87,979
Tignish	Main-Sunset-Maple Sewer Main Replacements	$ 182,669	$ 116,678
12 Projects	**Total**	**$ 9,253,067**	**$ 1,355,733**

Building Canada Fund – Major Infrastructure Component (BCF-MIC)
The BCF-MIC program received $13.25 million from the Federal Government. This amount was to be matched by the Provincial Government but due to the cost of the Convention Center the amount committed by the Province for this program was $20.2 million. At the end of FY 2013/14 the Convention Center made claims of $1.5 million. The Summerside Wind Farm was completed and paid out in 2009/10. The table below shows the funding arrangement of the program:

Table 2 – Major Infrastructure Component Program Shares

Building Canada Fund - Major Infrastructure Component (BCF-MIC			
Applicant	**Project Name**	**Total Cost**	**Provincial Share FY2013/14**
Charlottetown Area Development Corporation (CADC)	Queen Street Convention Centre	$ 24,500,000	$ 1,500,000
Kay's Building - Queen Street	Historic Building Renovations	$ 1,000,000	$ 500,000
Total		**$ 25,500,000**	**$ 2,000,000**

The Province also wished to support the historic redevelopment of the Kay's Building and approved an investment of $1.0 million over a two-year period to Charlottetown Area Development Corporation (CADC) historic redevelopment. FY2012/13 was the first payment of half of the grant provided to the CADC and the final grant payment was made in 2013/14.

City of Charlottetown - Spring Park Storm Water Sewer Separation
The City of Charlottetown, for a number of years, has had difficulties with storm water being expelled directly into the harbour during heavy rain events. The fishery has been shut down, affecting the economic viability of number fishers during these periods. The Province and the City entered into an Agreement that the Province would support the Spring Park Storm Water Sewer Separation project to $6.0 million of which $3.0 million is over the next two years and the remaining $3.0 million to come online with a new Federal Build Canada program with cost sharing component. In FY2013/14 the Province paid out $1.58 million towards the project.

Provincial Infrastructure Fund (PIF)
The Prince Edward Island Government announced the PIF Fund to offset the impact of the HST on Island municipalities. The program is to run for two years 2013/14 and 2014/15, with a possible extension. The $1.8 million Provincial Infrastructure Fund is intended to provide for the investment in municipal capital infrastructure projects. The Province recognizes the need for further funding for infrastructure to ensure our infrastructure deficit is addressed. The program invests in modern infrastructure that encourages sustainability for island municipalities. In FY2013/14, five projects were funded total cost of $2.4 million of which $1.8 million came from the PIF program. The Fund paid out $1.8 million in FY2013/14.

Department of Transportation & Infrastructure Renewal
Statement of Ordinary Expenditures
2013-2014 FY

	Actuals	Budget Estimates 13/14
CORPORATE SERVICES DIVISION		
Executive Office		
Administration	29,420	25,800
Materials, Supplies & Services	979	500
Salaries	335,552	330,300
Travel & Training	24,572	14,000
	390,523	**370,600**
Corporate Services Administration		
Administration	19,258	31,600
Equipment	873	500
Materials, Supplies & Services	2,092	18,700
Professional & Contract Services	4,610	900
Salaries	193,946	221,000
Travel & Training	3,113	2,000
Grants	896,134	875,000
	1,120,026	1,149,700
Planning		
Administration	2,950	7,200
Professional & Contract Services	5,833	-
Salaries	65,838	166,300
Travel & Training	9,501	9,800
	84,122	183,300
Infrastructure		
Administration	52,260	59,300
Equipment	49	2,000
Materials, Supplies & Services	408	13,500
Professional & Contract Services	14,966	53,500
Salaries	332,780	328,900
Travel & Training	4,656	11,600
Grants	20,750,888	19,257,400
	21,156,007	19,726,200
TOTAL CORPORATE SERVICES DIVISION	**22,750,678**	**21,429,800**

HIGHWAY SAFETY DIVISION

Highway Safety Administration

Administration	57,680	109,100
Equipment	1,795	900
Materials, Supplies & Services	33,118	8,500
Professional & Contract Services	30,666	118,700
Salaries	153,414	156,400
Travel & Training	5,190	55,000
	281,863	448,600

Promotion Highway Safety

Admistration	1,397	2,000
Equipment	-	900
Materials, Supplies & Services	124,713	22,000
Professional & Contract Services	125	1,000
Salaries	646,952	714,100
Travel & Training	572	5,200
	773,759	745,200

Registration & Licensing

Administration	357	900
Equipment	4,221	4,000
Materials, Supplies & Services	402,571	211,400
Salaries	738,318	809,300
Travel & Training	18	700
	1,145,485	1,026,300

Highway Scales

Administration	22	-
Debt	450	-
Equipment	5,697	12,900
Materials, Supplies & Services	8,218	24,200
Professional & Contract Services	85	-
Salaries	594,498	632,900
Travel & Training	-	1,000
	608,070	671,000
TOTAL HIGHWAY SAFETY DIVISION	**2,809,177**	**2,891,100**

Land & Environment

Environmental Management

Administration	9,207	8,600
Equipment	-	1,500
Materials, Supplies & Services	20,488	1,900
Professional & Contract Services	36,262	41,300
Salaries	511,781	556,600
Travel & Training	68,393	54,500
	646,131	**664,400**

Properties

Administration	85,888	129,300
Debt		-
Equipment	-	3,000
Materials, Supplies & Services	2,461	4,100
Professional & Contract Services	120,280	115,700
Salaries	741,021	871,600
Travel & Training	22,169	32,000
	971,819	**1,155,700**

Surveys

Administration	11,501	5,800
Equipment	36,449	29,900
Materials, Supplies & Services	1,197	5,500
Professional & Contract Services	5,002	22,000
Salaries	579,433	512,700
Travel & Training	484	6,500
	634,066	**582,400**

TOTAL LAND & ENVIRONMENT	**2,252,016**	**2,402,500**

HIGHWAY MAINTENANCE DIVISION

Maintenance Administration - Director's Office

Administration	12,283	10,300
Equipment	15,000	-
Materials, Supplies & Services	773	1,000
Professional & Contract Services	77,578	76,600
Salaries	245,900	259,500
Travel & Training	20,467	11,900
Grants	80,040	80,600
	452,041	**439,900**

Inventory Control

Administration	8,556	4,000
Materials, Supplies & Services	387,675	362,800
Professional & Contract Services	13,977	-
Salaries	520,956	460,000
Travel & Training	7,236	6,000
	938,400	**832,800**

Prov Maintenance Road Program

Administration	370	-
Materials, Supplies & Services	452,957	853,700
Professional & Contract Services	707,355	413,000
Salaries	86,331	-
	1,247,013	**1,266,700**

Maintenance Administration - Western Region

Administration	33,120	42,000
Debt	240	-
Equipment	698	600
Materials, Supplies & Services	3,356	2,100
Professional & Contract Services	3,167	-
Salaries	444,870	464,900
Travel & Training	62	2,500
	485,033	**512,100**

Maintenance Administration - Eastern Region

Administration	40,425	52,200
Equipment	30	400
Materials, Supplies & Services	84	700
Professional & Contract Services	273	-
Salaries	501,856	444,700
Travel & Training	2,140	3,200
	544,808	**501,200**

Maintenance Administrastion - Central Region

Administration	59,445	65,200
Materials, Supplies & Services	1,243	600
Professional & Contract Services	3,698	-
Salaries	475,504	520,500
Travel & Training	560	800
	540,450	**587,100**

Summer Maintenance - Western Region

Administration	1,666	-
Debt	541	-
Equipment	3,900	6,500
Materials, Supplies & Services	1,260,414	1,294,800
Professional & Contract Services	167,539	154,500
Salaries	1,877,221	2,104,800
Travel & Training	62,169	63,400
	3,372,368	**3,624,000**

Summer Maintenance - Eastern Region

Administration	511	-
Equipment	870	-
Materials, Supplies & Services	962,090	986,000
Professional & Contract Services	118,136	188,000
Salaries	1,762,956	1,873,900
Travel & Training	49,487	40,100
	2,894,050	**3,088,000**

Summer Maintenance - Central Region

Administration	258	-
Materials, Supplies & Services	1,679,436	1,425,900
Professional & Contract Services	587,106	243,000
Salaries	2,396,312	2,487,900
Travel & Training	77,915	75,000
	4,741,027	**4,231,800**

Rails to Trails Maintenance

Administration	5,111	9,500
Materials, Supplies & Services	258,029	312,900
Professional & Contract Services	92,039	64,000
Salaries	924,153	911,600
Travel & Training	46,911	23,000
	1,326,243	**1,321,000**

Winter Maintenance - Western Region

Administration	500	-
Materials, Supplies & Services	1,845,047	1,228,400
Professional & Contract Services	4,671,894	3,047,300
Salaries	316,034	400,400
Travel & Training	490	-
	6,833,965	**4,676,100**

Winter Maintenance - Eastern Region

Administration	576	-
Materials, Supplies & Services	1,175,326	980,800
Professional & Contract Services	1,877,062	1,463,800
Salaries	261,113	438,400
Travel & Training	3,512	4,000
	3,317,589	**2,887,000**

Winter Maintenance - Central Region

Administration	463	-
Debt	79,102	-
Materials, Supplies & Services	2,434,547	1,292,000
Professional & Contract Services	4,247,355	2,534,000
Salaries	361,760	579,800
Travel & Training	7,591	-
	6,972,614	**4,405,800**

Mechanical - Charlottetown Garage - Direct

Administration	32,100	26,900
Equipment	-	3,500
Materials, Supplies & Services	2,069,438	1,651,000
Professional & Contract Services	4,254	4,100
Salaries	1,991,776	2,351,000
Travel & Training	176,916	132,900
	4,274,484	**4,169,400**

Mechanical - Charlottetown Garage - Indirect

Administration	73,835	69,700
Equipment	11,273	12,400
Materials, Supplies & Services	635,989	314,000
Professional & Contract Services	64,473	38,400
Salaries	541,504	686,500
Travel & Training	12,123	4,100
	1,339,197	**1,125,100**

Mechanical - Summerside Garage - Direct

Administration	13,190	14,400
Debt	455	-
Equipment	5,741	5,500
Materials, Supplies & Services	1,654,404	1,073,300
Professional & Contract Services	22,163	8,000
Salaries	1,642,005	1,861,400
Travel & Training	127,842	71,200
	3,464,890	**3,033,800**

Mechanical - Summerside Garage - Indirect

Administration	16,538	24,800
Equipment	20,988	18,700
Materials, Supplies & Services	9,340	15,000
Professional & Contract Services	258	-
Salaries	79,636	78,400
Travel & Training	3,196	5,400
	129,956	**142,300**

Mechanical - Bridgetown Garage - Indirect

Administration	29,156	27,100
Equipment	475	2,100
Materials, Supplies & Services	61,968	56,200
Professional & Contract Services	7,466	12,900
Salaries	181,668	224,100
Travel & Training	1,376	5,300
	282,109	**327,700**

Mechanical - Bridgetown Garage - Direct

Administration	27	-
Equipment	13,283	7,000
Materials, Supplies & Services	1,116,317	704,600
Professional & Contract Services	1,339	3,200
Salaries	965,613	1,015,000
Travel & Training	210,261	130,900
	2,306,840	**1,860,700**

Mechanical - Operators - Western Region

Administration	1,000	1,500
Materials, Supplies, & Services	10,481	14,000
Professional & Contract Services	470	-
Salaries	1,484,331	1,521,400
Travel & Training	18,736	18,700
	1,515,018	**1,555,600**

Mechanical - Operators - Eastern Region

Administration	252	200
Materials, Supplies & Services	23,169	28,000
Professional & Contract Services	280	-
Salaries	1,254,657	1,339,100
Travel & Training	34,564	21,800
	1,312,922	**1,389,100**

Mechanical - Operators - Central Region

Administration	2,596	3,800
Materials, Supplies & Services	20,602	50,300
Professional & Contract Services	2,223	-
Salaries	2,156,619	2,432,300
Travel & Training	34,026	46,400
	2,216,066	**2,532,800**
TOTAL HIGHWAY MAINTENANCE DIVISION	**50,507,083**	**44,510,000**

PUBLIC WORKS & PLANNING

Public Works Operations - Administration

Administration	13,240	100,900
Equipment	1,697	7,500
Materials, Supplies & Services	77,823	158,600
Professional & Contract Services	6,541	10,000
Salaries	752,321	812,200
Travel & Training	27,323	36,000
	878,945	**1,125,200**

District Heating Plant

Professional & Contract Services	1,960,189	2,115,400
	1,960,189	**2,115,400**

Audio Visual - Technicians

Administration	1,022	1,100
Materials, Supplies & Services	10,759	13,000
Salaries	114,773	112,900
Travel & Training	-	5,000
	126,554	**132,000**

Building Maintenance Direct - Mona Wilson Bldg.

Administration	10,596	10,800
Materials, Supplies & Services	24,257	29,200
Professional & Contract Services	13,384	15,000
	48,237	**55,000**

Building Maintenance Direct - Shaw, Sullivan & Jones Bldgs.

Administration	469,829	474,400
Equipment	1,860	6,000
Materials, Supplies & Services	1,169,849	1,045,400
Professional & Contract Services	398,412	296,000
Salaries	1,073,054	1,096,200
Travel & Training	3,068	3,000
	3,116,072	**2,921,000**

Building Maintenance Direct - Province House

Administration	21,227	21,300
Materials, Supplies & Services	62,286	105,000
Professional & Contract Services	8,652	7,000
Salaries	41,311	44,500
	116,172	**177,800**

Building Maintenance Direct - Province House Annex

Administration	7,905	8,300
Materials, Supplies & Services	39,236	22,400
Professional & Contract Services	15,002	15,500
	62,143	**46,200**

Building Maintenance Direct - Government House

Administration	20,011	22,000
Equipment	162	2,000
Materials, Supplies & Services	129,069	95,900
Professional & Contract Services	7,126	8,000
Salaries	303,966	356,400
Travel & Training	6,563	1,500
	466,897	**485,800**

Building Maintenance Direct - Customs House

Administration	8,874	9,300
Materials, Supplies & Services	34,978	27,700
Professional & Contract Services	17,843	18,000
	61,695	**55,000**

Building Maintenance Direct - Coles Bldg.

Administration	40,900	41,900
Equipment	460	-
Materials, Supplies & Services	47,314	49,700
Professional & Contract Services	15,051	12,000
Salaries	55,471	65,500
	159,196	**169,100**

Building Maintenance Direct - Prince County Jail & Courthouse

Administration	19,257	20,000
Materials, Supplies & Services	85,780	69,300
Professional & Contract Services	16,149	25,000
Salaries	42,027	45,900
	163,213	**160,200**

Building Maintenance Direct - Summerside Youth Centre

Administration	80,455	82,000
Materials, Supplies & Services	199,984	152,400
Professional & Contract Services	26,330	22,000
	306,769	**256,400**

Building Maintenance Direct - Provincial Correctional Centre

Administration	39,610	35,000
Materials, Supplies & Services	450,899	323,400
Professional & Contract Services	33,194	20,000
	523,703	**378,400**

Building Maintenance Direct - Montague Office Complex

Administration	-	7,300
Materials, Supplies & Services	63,230	51,700
Professional & Contract Services	44,508	30,000
	107,738	**89,000**

Building Maintenance Direct - Southern Kings/Queens RSC

Administration	4,990	5,200
Materials, Supplies & Services	53,127	45,200
Professional & Contract Services	37,159	34,000
	95,276	**84,400**

Building Maintenance Direct - West Prince RSC

Administration	7,409	8,000
Materials, Supplies & Services	19,685	28,900
Professional & Contract Services	31,421	30,000
	58,515	**66,900**

Building Maintenance Direct - Prince Edward Home

Materials, Supplies & Services	136,376	55,800
	136,376	**55,800**

Building Maintenance Direct - Access PEI S'side

Administration	47,176	50,000
Materials, Supplies & Services	171,907	213,000
Professional & Contract Services	63,380	60,000
	282,463	**323,000**

Building Maintenance Direct - Highway Testing Lab

Materials, Supplies & Services	42,113	36,000
Professional & Contract Services	12,590	11,000
Salaries	19,216	32,400
	73,919	**79,400**

Building Maintenance Direct - Brighton Road Office Complex

Administration	566	700
Materials, Supplies & Services	42,319	28,500
Professional & Contract Services	9,727	12,000
Salaries	11	-
	52,623	**41,200**

Building Maintenance Direct - Holland College Royalty Operations

Administration	140,992	145,000
Materials, Supplies & Services	286,567	219,700
Professional & Contract Services	83,040	100,000
	510,599	**464,700**

Building Maintenance Direct - S'side Garage - Slemon Park

Administration	20,758	25,300
Materials, Supplies & Services	172,905	145,100
Professional & Contract Services	39,441	42,000
	233,104	**212,400**

Building Maintenance Direct - TIR Beach Grove Rd Warehouse

Materials, Supplies & Services	1,045	3,300
	1,045	**3,300**

Building Maintenance Direct - TIR Surplus Warehouse

Materials, Supplies & Services	44,319	11,000
Professional & Contract Services	4,447	2,500
	48,766	**13,500**

Building Maintenance Direct - Kings County Courthouse

Administration	3,557	3,600
Materials, Supplies & Services	25,615	17,900
Professional & Contract Services	9,778	8,000
	38,950	**29,500**

Building Maintenance Direct - Scale Houses

Administration	4,644	4,500
Materials, Supplies & Services	59,428	77,100
Professional & Contract Services	12,269	20,000
Salaries	4,685	5,000
	81,026	**106,600**

Building Maintenance Direct - Environment Warehouse

Materials, Supplies & Services	7,408	11,000
Professional & Contract Services	8,251	9,000
	15,659	**20,000**

Building Maintenance Direct - Acadian Museum

Administration	2,887	2,300
Materials, Supplies & Services	3,817	7,500
Professional & Contract Services	7,666	8,500
	14,370	**18,300**

Building Maintenance Direct - Basin Head Museum

Administration	814	1,000
Materials, Supplies & Services	34,012	16,500
Professional & Contract Services	539	1,000
	35,365	**18,500**

Building Maintenance Direct - Orwell Historic Village

Materials, Supplies & Services	11,468	10,000
Professional & Contract Services	1,180	2,000
	12,648	**12,000**

Building Maintenance Direct - Yeo House

Materials, Supplies & Services	15,693	10,000
Professional & Contract Services	1,061	1,500
	16,754	**11,500**

Building Maintenance Direct - MacPhail Homestead

Materials, Supplies & Services	20,388	15,500
Professional & Contract Services	1,573	1,000
	21,961	**16,500**

Building Maintenance Direct - Belmont St Food Bank

Administration	430	3,500
Materials, Supplies & Services	28,059	28,000
Professional & Contract Services	6,148	2,000
	34,637	**33,500**

Building Maintenance Direct - Montague Food Bank

Administration	2,204	-
Materials, Supplies & Services	8,085	18,000
Professional & Contract Services	2,057	5,000
	12,346	**23,000**

Building Maintenance Direct - Tyne Valley Youth Centre

Administration	2,651	2,700
Materials, Supplies & Services	40,085	42,100
Professional & Contract Services	9,256	10,000
	51,992	**54,800**

Building Maintenance Direct - Lea Crane Building

Administration	6,367	6,400
Materials, Supplies & Services	27,998	32,200
Professional & Contract Services	13,267	10,000
Salaries	20,400	21,000
	68,032	**69,600**

Building Maintenance Direct - Potato Services Bldg - Kensington

Administration	4,024	4,100
Materials, Supplies & Services	22,507	27,500
Professional & Contract Services	12,337	12,000
	38,868	**43,600**

Building Maintenance Direct - Tignish Sign Shop

Administration	2,365	2,400
Materials, Supplies & Services	48,297	24,000
Professional & Contract Services	5,621	7,500
	56,283	**33,900**

Building Maintenance Direct - Tignish Body Shop

Administration	8,730	4,000
Materials, Supplies & Services	54,073	36,600
Professional & Contract Services	14,376	5,000
	77,179	**45,600**

Building Maintenance Direct - Alma Field Office

Materials, Supplies & Services	20,797	-
Professional & Contract Services	2,073	-
	22,870	-

Tyne Valley Medical Centre

Materials, Supplies & Services	14,117	16,000
Professional & Contract Services	18,402	15,000
	32,519	**31,000**

Building Maintenance Direct - Hunter River Office - Dr. Ellis

Materials, Supplies & Services	2,208	12,500
Professional & Contract Services	1,392	-
	3,600	**12,500**

Building Maintenance Direct - Brudenell Park

Administration	112,292	112,300
Materials, Supplies & Services	450	-
Professional & Contract Services	13,192	9,000
	125,934	**121,300**

Building Maintenance Direct - St. Eleanor's House

Materials, Supplies & Services	4,046	5,000
	4,046	**5,000**

Building Maintenance Direct - Rollo Bay School

Materials, Supplies & Services	43,738	24,000
Professional & Contract Services	7,717	2,500
	51,455	**26,500**

Building Maintenance Direct - Forestry Office - Queens

Administration	9,959	9,000
Materials, Supplies & Services	11,034	-
Professional & Contract Services	8,861	3,500
	29,854	**12,500**

Building Maintenance Direct - Forestry Office - Prince

Materials, Supplies & Services	11,084	14,500
Professional & Contract Services	4,869	7,000
Salaries	4,523	5,000
Travel & Training	96	-
	20,572	**26,500**

Building Maintenance Direct - Forestry Office - Kings

Materials, Supplies & Services	15,805	15,500
Professional & Contract Services	14,274	15,000
	30,079	**30,500**

Building Maintenance Direct - VIC Cavendish

Administration	-	2,844	1,000
Materials, Supplies & Services		23,903	30,100
Professional & Contract Services		6,381	8,500
Salaries		15,988	23,500
		43,428	**63,100**

Building Maintenance Direct - VIC Mt. Pleasant

Materials, Supplies & Services	7,302	9,000
Professional & Contract Services	2,630	2,500
Salaries	7,168	9,900
	17,100	**21,400**

Building Maintenance Direct - Vet Clinic - O'Leary

Materials, Supplies & Services	49,543	-
Professional & Contract Services	478	1,000
	50,021	**1,000**

Building Maintenance Direct - Highway Depot - Bridgetown

Materials, Supplies & Services	-	5,000
Professional & Contract Services	-	1,500
	-	**6,500**

Building Maintenance Direct - Access PEI - Alberton

Administration	243	2,200
Materials, Supplies & Services	29,118	15,000
Professional & Contract Services	8,013	10,000
Salaries	1,936	-
	39,310	**27,200**

Building Maintenance Direct - Analytical Lab - Upton Road

Administration	10,018	7,300
Materials, Supplies & Services	200,838	94,500
Professional & Contract Services	42,040	30,000
	252,896	**131,800**

Building Maintenance Direct - Kensington Post Office

Administration	39,177	-
Materials, Supplies & Servicesq	48,292	-
Professional & Contract Services	25,082	-
	34,197	**-**

Building Accommodations - Small Lease

Administration	1,364,637	1,114,100
Materials, Supplies & Services	66,889	15,500
Professional & Contract Services	246	-
Salaries	5,276	-
	1,437,048	**1,129,600**

Building Accommodations - Evangeline RSC

Administration	58,470	66,100
Materials, Supplies & Services	3,288	5,600
Professional & Contract Services	396	-
	62,154	**71,700**

Building Accommodations - Johnny Ross Young RSC

Administration	232,073	215,300
Materials, Supplies & Services	4,168	5,200
Professional & Contract Services	2,038	1,800
	238,279	**222,300**

Building Accommodations - Research Station

Administration	26,024	270,200
	26,024	**270,200**

Building Accommodations - Queens Region Health Authority - Ellis Bros Bldg.

Administration	728,757	752,400
Materials, Supplies & Services	1,290	-
Professional & Contract Services	9,524	-
	739,571	**752,400**

Building Accommodations - Health Agency Younker, Roche Bldg.

Administration	582,329	577,700
Materials, Supplies & Services	310	400
	582,639	**578,100**

Building Accommodations - Prov Library Morell

Administration	191,756	195,100
Materials, Supplies & Services	265	-
	192,021	**195,100**

Building Accommodations - St. Paul's Rectory

Administration	28,010	25,000
Materials, Supplies & Services	11,470	11,200
Professional & Contract Services	7,662	13,000
	47,142	**49,200**

Building Accommodations - Albert Thomas Bldg

Administration	-	67,000
Materials, Supplies & Services	160	23,000
Professional & Contract Services	-	7,100
	160	**97,100**

Building Accommodations - E. Blanchard (Gordon Drive)

Administration	103,086	135,000
Materials, Supplies & Services	548	6,800
Professional & Contract Services	16,188	15,000
	119,822	**156,800**

Building Accommodations - Concorde Building

Administration	104,093	155,100
	104,093	**155,100**

Building Accommodations - Davies Law Courts

Administration	484,407	755,700
Materials, Supplies & Services	148,609	142,600
Professional & Contract Services	291,884	271,000
	924,900	**1,169,300**

Building Accommodations - Highway Safety Office

Administration	189,705	195,500
Materials, Supplies & Services	178	5,000
	189,883	**200,500**

Building Accommodations - Stonehouse VIC

Administration	60,142	60,000
	60,142	**60,000**

Building Accommodations - Fisheries Warehouse

Administration	42,087	46,200
Materials, Supplies & Services	21,020	21,600
Professional & Contract Services	2,931	4,000
	66,038	**71,800**

Building Accommodations - Kelly Bldg - Courthouse

Administration	163,699	370,000
Materials, Supplies & Services	41	17,600
	163,740	**387,600**

Building Accommodations - Breckan Yates Building

Administration	149,791	151,000
Materials, Supplies & Services	207	-
	149,998	**151,000**

Building Accommodations - SRDC 109 Water Street

Administration	170,000	180,000
Materials, Supplies & Services	144	-
	170,144	**180,000**

Building Accommodations - Confederation Centre & Libraries

Administration	178,000	178,000
	178,000	**178,000**

Building Accommodations - Gateway Village VIC

Administration	69,180	70,000
	69,180	**70,000**

Building Accommodations - Confederation Court Lease - EMO

Administration	33,133	36,000
	33,133	**36,000**

Building Accommodations - Donald Bondy Bldg.

Administration	326,414	336,400
Materials, Supplies & Services	549	-
Professional & Contract Services	27,642	30,000
	354,605	**366,400**

Building Accommodations - Hunter River Health Centre

Administration	93,959	88,300
	93,959	**88,300**

Building Accommodations - Summerside Medical Centre

Administration	218,979	212,200
Materials, Supplies & Services	8	-
	218,987	**212,200**

Building Accommodations - Polyclinic

Adminsitration	245,038	248,200
	245,038	**248,200**

Building Accommodations - Pharmtech-Friendly Pharmacy

Administration	176,708	179,600
	176,708	**179,600**

Building Accommodations - Dept. of Fisheries

Administration	263,273	260,500
Materials, Supplies & Services	-	2,000
	263,273	**262,500**

Building Accommodations - Dept. of Education - Summerside

Administration	806,519	780,200
Materials, Supplies & Services	3,750	10,000
Professional & Contract Services	38,604	37,000
	848,873	**827,200**

Building Accommodations - VIC - Charlottetown Airport

Administration	41,290	15,700
Materials, Supplies & Services	- 22,003	7,300
	19,287	**23,000**

Building Accommodations - VIC - Wood Islands

Administration	36,966	22,000
Materials, Supplies & Services	851	2,000
Salaries	11,971	15,100
	49,788	**39,100**

Building Accommodations - Harbour Quay - Summerside

Administration	9,166	10,800
Materials, Supplies & Services	1,290	4,400
Professional & Contract Services	1,355	2,000
	11,811	**17,200**

Building Accommodations - Morrison Building

Administration	350	1,500
Materials, Supplies & Services	2,464	6,800
Professional & Contract Services	6,031	2,000
	8,845	**10,300**

Building Accommodations - Kensington Laundry

Administration	56,465	60,900
Materials, Supplies & Services	31,068	22,000
	87,533	**82,900**

Building Accommodations - Fire Arms Office - Charlottetown

Administration	17,565	17,600
Materials, Supplies & Services	2,144	3,000
Professional & Contract Services	4,200	4,200
	23,909	**24,800**

Director's Office

Administration	12,850	12,000
Equipment	322	-
Materials, Supplies & Services	8,107	5,100
Professional & Contract Services	573,135	224,000
Salaries	163,546	247,600
Travel & Training	7,916	12,900
	765,876	**501,600**

Building Construction

Administration	1,031	200
Materials, Supplies & Services	-	1,400
Salaries	307,083	327,800
Travel & Training	1,396	23,200
	309,510	**352,600**

Building Design

Administration	6,090	-
Equipment	267	-
Materials, Supplies & Services	1,660	-
Salaries	240,000	337,200
Travel & Training	26,608	9,900
	274,625	**347,100**
TOTAL PUBLIC WORKS & PLANNING	**20,230,898**	**20,329,600**

CAPITAL PROJECTS DIVISION

TRAFFIC OPERATIONS

Traffic Operations Management

Administration	4,419	6,100
Equipment	6,681	1,000
Materials, Supplies & Services	8,663	17,800
Professional & Contract Services	-	3,000
Salaries	309,647	306,000
Travel & Training	18,050	17,300
	347,460	**351,200**

Traffic Operations - Western Region

Administration	3,681	4,400
Equipment	268	1,300
Materials, Supplies & Services	258,875	247,600
Professional & Contract Services	3,158	2,200
Salaries	487,537	456,200
Travel & Training	14,087	8,700
	767,606	**720,400**

Traffic Operations - Central Region

Administration	14,059	14,400
Equipment	15,258	5,000
Materials, Supplies & Services	825,565	763,500
Professional & Contract Services	39,175	41,100
Salaries	918,158	989,900
Travel & Training	22,978	23,000
	1,835,193	**1,836,900**

Sign Shop

Administration	2,203	5,700
Debt	517	-
Materials, Supplies & Services	15,308	126,100
Professional & Contract Services	5,729	5,100
Salaries	188,478	184,200
Travel & Training	669	1,000
	212,904	**322,100**

Chief Engineer's Office

Administration	14,514	24,900
Equipment	-	800
Materials, Supplies & Services	1,314	500
Professional & Contract Services	50,092	66,600
Salaries	248,078	237,400
Travel & Training	11,135	9,800
	325,133	**340,000**

Eastern Region

Administration	15,226	27,300
Equipment	750	12,400
Materials, Supplies & Services	5,201	18,900
Professional & Contract Services	141	2,000
Salaries	769,655	904,800
Travel & Training	15,016	26,800
	805,989	**992,200**

Western Region

Administration	29,713	39,700
Equipment	2,088	16,700
Materials, Supplies & Services	18,943	33,300
Professional & Contract Services	4,968	3,500
Salaries	972,726	912,200
Travel & Training	11,550	40,800
	1,039,988	**1,046,200**

Engineering Services Operations		
Administration	967	1,000
Equipment	-	900
Materials, Supplies & Services	10,793	600
Salaries	156,456	221,700
Travel & Training	4,345	6,400
	172,561	**230,600**
Highway Enhancement		
Salaries	159,547	155,700
	159,547	**155,700**
Bridge Maintenance Operations		
Administration	6,256	5,200
Equipment	203	-
Materials, Supplies & Services	688,916	850,700
Professional & Contract Services	1,127,609	622,600
Salaries	482,246	460,200
Travel & Training	22,767	9,600
	2,327,997	**1,948,300**
Highway Design		
Administration	14,894	9,000
Equipment	238	500
Materials, Supplies & Services	5,011	5,500
Professional & Contract Services	54,155	4,800
Salaries	440,484	554,400
Travel & Training	9,132	10,300
	523,914	**584,500**
Materials Testing Lab		
Administration	12,993	13,900
Equipment	28,262	30,700
Materials, Supplies & Services	10,830	9,700
Professional & Contract Services	11,317	5,000
Salaries	651,272	1,304,900
Travel & Training	30,270	41,200
	744,944	**1,405,400**
TOTAL CAPITAL PROJECTS DIVISION	**9,263,236**	**9,933,500**
TOTAL DEPARTMENT OF TRANSPORTATION & INFRASTRUCTURE RENEWAL	**107,813,088**	**101,496,500**

CAPITAL EXPENDITURES T/C
Year Ending March 31, 2014

BRIDGES C/A			
Eastern Region			
Loane Road Bridge Replacement	453,213		
Marie Bridge	1,695,247		
Souris Bridge Replacement	59,110		
Newton Cross Main Structure	88,536		
Total Eastern Region		2,296,107	
Central Region			
St. Ann's Bridge Replacement	447,241		
Cornwall Ferry Road Bridge Replacement	509,394		
Canoe Cove Bridge	377,481		
Kentyre Road Structure Replacement	407,789		
Crapaud Structure Replacement	535,464		
Maintenance Green Bay	157,885		
Loyalist Road Mini Structure	151,586		
Breadalbane Main Structure	110,670		
Greenvale Bridge Replacement	531,351		
Total Central Region		3,228,862	
Western Region			
Emerald Bridge c/o	267,593		
Miminegash Bridge Replacement	598,274		
Alberton Main Structure	104,109		
Fairview Main Structure	175,813		
Alaska Main Structure	110,739		
Total Western Region		1,256,527	
Other			
Bridge Maintenance Various Districts	225,585		
Total Other		225,585	
TOTAL BRIDGES C/A			7,007,081

HIGHWAY RECONSTRUCTION

Western Region			
Rte 142 Unionvale	614,240		
Rte 2 Elmsdale	326,678		
Rte 12 Central Kildare Shoreline Protection	321,136		
Rte 12 Construct Seawall	119,299		
Total Western Region		1,381,354	
Central Region			
Rte 2 Tracadie Cross Left Turn Lane	500,609		
Rte 25 Stanhope Pathway	260,314		
Brackley Pt Road Airport Roundabout	661,892		
Rte 2 Springhill	133,010		
Rte 13 Crapaud-Kellys Cross	414,965		
Rte 1 Desable	1,205,184		
Land Purchases TCH Churchill	271,856		
Rte 9 Elmswood/New Haven	990,064		
Rte 2 Springfield, Install Culvert Liners	73,093		
Total Central Region		4,510,988	
Eastern Region			
Rte 2 Midgell	542,258		
Hermanville, Clear Spring	14,397		
Rte 4 Primrose/Rte 4 Cardigan	340,992		
Poole's Corner Roundabout C/O	23,517		
Brudenell Pt. Road	143,421		
Rte 4 Murray River	111,085		
Rte 3 Millview/Hermitage	494,605		
Total Eastern Region		1,670,275	
Other			
Guardrail Western Region	308,445		
Guardrail Eastern Region	147,472		
Land Purchases Eastern Region	436,239		
Land Purchases Western Region	669,280		
Raised Pavement Markers	269,627		
Survey Equipment	133,632		
Total Other		1,964,695	
TOTAL HIGHWAY RECONSTRUCTION			9,527,312

PROVINCIAL PAVING			
Western Region			
Asphaltic Concrete Supply & Place - Curran & Briggs	1,573,211		
Shouldering	26,114		
Class B Gravel	30,000		
Gravel Various Rds	201,572		
Total Western Region		1,830,897	
Central Region			
Asphalt Supply & Place - Central Roadways	40,764		
Asphaltic Concrete - Island Construction	1,523,211		
Recap Program - Chapman Brothers Const.	470,507		
Recap Program - M & M Resources	570,381		
Shouldering	54,194		
Rink Road Realignment	21,089		
Gravel Various Rds	157,056		
Total Central Region		2,837,201	
Eastern Region			
Recap Program Supply & Place - Island Construction	317,218		
Recap Program - Chapman Brothers Const	769,181		
Class B Gravel	89,804		
Gravel Various Rds	63,346		
Total Eastern Region		1,239,548	
Other			
DFAA Post Tropical Storm Hanna	2,679		
Total Other		2,679	
TOTAL PROVINCIAL PAVING			5,910,326
COST SHARED PROJECTS			
Gas Tax Projects			
Rte 1 South Pinette	374,639		
Rte 1 Borden Carleton	454,454		
Rte 2 Winsloe/Milton Station	432,583		
Rte 25 York	518,534		
Timberlane North Rustico	354,183		
Summer Street Ext. North Rustico	282,487		
Rte 12 Alberton Storm Sewer	204,794		
Keppoch Road Stratford	264,593		
Rte 2 St. Eleanors	278,297		
MacLeod Lane Tignish Storm Sewer	97,065		
Total Gas Tax Projects		3,261,630	

Gateway Projects				
Rte 1 New Haven TCH	4,392,715			
Rte 1 Bonshaw TCH	5,941,496			
Bonshaw Bridge	570,311			
Total Gateway Projects		10,904,521		
TOTAL COST SHARE PROJECTS			14,166,152	
OTHER				
Highway Equipment	1,799,331			
TOTAL OTHER			1,799,331	
TOTAL HIGHWAY CAPITAL				38,410,201
CAPITAL - BUILDINGS/TC				
Land Purchases	1,715,000			
TOTAL LAND PURCHASES		1,715,000		
Building Renovations				
Analytical Lab c/o	44,135			
Security System	116,841			
Kensington Post Office	192,690			
Potato Services Bldg Renovations	370,368			
Queen's County Salt Dome	558,014			
Fountain Upgrades (Shaw) c/o	115,165			
Flooring Installation Sullivan	12,782			
Flooring Installation Jones	31,925			
Jones Bldg. Climate Control c/o	33,813			
Window Treatments - Shaw Bldg	52,938			
Door Hardware Upgrade - Shaw Bldg	54,703			
Sullivan Heating Lines	59,006			
Air Handling Units	243,386			
Humidification	35,815			
		1,921,581		
TOTAL CAPITAL - BUILDINGS/TC				3,636,581

TOTAL CAPITAL EXPENDITURES DEPARTMENT OF TRANSPORTATION & INFRASTRUCTURE RENEWAL	42,046,782